TorchTips

What to expect from selected Bullseye torchworking rods.

Bullseye rods are drawn from compatible Bullseye glass and are available in 94 stock styles. While we find that torchworkers are cheerful and tireless testers of new styles, we've provided a reference index to shorten the learning curve anyway. Click on one of the styles to the left and see what to expect from your Bullseye rods, before and after time in the torch. Check back soon to find more information about additional rod styles.

OPALESCENTS


000013-0576 **Opaque White Opal**

Contains: Pb

May react with: Se S

Cold characteristics
Opaque white.

Working notes

Torch: Remains opaque even in small amounts. To avoid reduction, work with 000013-0576 in a neutral to oxidizing flame atmosphere.
Kiln: Not recommended for kilnforming.


000014-0576 **Cobalt Blue Opaque**

Cold characteristics
Medium cool blue with greater opacity than standard opalescent Cobalt Blue (000114-0576).

Working notes

Torch: Remains opaque even in small amounts. Holds a crisp edge in the flame. Opaque rods are formulated solely for flameworking with Bullseye rods.
Kiln: Not recommended for kilnforming.

 000016-0576 **Turquoise Opaque**

Contains: Cu

May react with: Se S

Cold characteristics
Lighter in color and more dense than Turquoise Blue (000116-0576).

Working notes

Torch: Remains opaque even in small amounts. Holds a crisp edge in the flame. Greater copper content than 000116-0576 (Turquoise Blue Opal), which often produces stronger reactions. Opaque rods are formulated solely for flameworking with Bullseye rods.
Kiln: Not recommended for kilnforming.

 000017-0576 **Mineral Green Opaque**

Cold characteristics
Muted medium green, denser than but similar in color to Mineral Green (000117-0576).

Working notes

Torch: Remains opaque even in small amounts. Holds a crisp edge in the flame. Opaque rods are formulated solely for flameworking with Bullseye rods.
Kiln: Not recommended for kilnforming.

 000018-0576 **Periwinkle Opaque**

Cold characteristics
A dense, natural pastel blue-violet.

Working notes

Torch: Remains opaque even in small amounts. Holds a crisp edge in the flame. Opaque rods are formulated solely for flameworking with Bullseye rods.
Kiln: Not recommended for kilnforming.

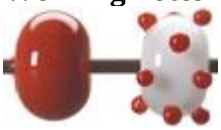

000024-0576 **Tomato Red**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Opaque orange-red. Slight variations in cold color from one production run to another.

Working notes



Torch: Lighter color and greater opacity than in sheet glass form. Keep it bright red by working with a neutral-to-oxidizing flame atmosphere.
Kiln: Lighter color and greater opacity than in sheet glass form.


000034-0576 **Light Peach Cream**

Contains: Se

May react with: Cu Pb

Cold characteristics
Translucent, milky peach.

Working notes

Torch: Relatively translucent opalescent glass that is more opaque when used in thicker applications, such as a core bead. Sometimes small bubbles are evident while the glass is molten but these typically are not visible in the cold rod or the finished work.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

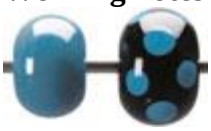
 000046-0576 **Bluestone Opaque**

Contains: Cu

May react with: Se S

Cold characteristics
Teal blue, a shade lighter than standard Steel Blue (000146-0576) and with greater opacity.

Working notes



Torch: Remains opaque even in small amounts. Holds a crisp edge in the flame. Greater copper content than 000146-0576 (Steel Blue Opal), which often produces stronger reactions. Opaque rods are formulated solely for flameworking with Bullseye rods.
Kiln: Not recommended for kilnforming.

 000064-0576 **Sterling Blue Opaque**

Contains: Cu

May react with: Se S

Cold characteristics
A dense, warm, medium blue.

Working notes

Torch: Remains opaque even in small amounts. Holds a crisp edge in the flame. Greater copper content than 000164-0576 (Egyptian Blue Opal), which often produces stronger reactions. A silvery sheen may develop in the flameworking and annealing process when left exposed on the surface. Opaque rods are formulated solely for flameworking with Bullseye rods.
Kiln: Not recommended for kilnforming.


000100-0576 **Black**

Cold characteristics
True black.

Working notes

Torch: 000100-0576 remains black except in extremely thin applications, when it may become dark gray. It is a soft glass. Beware of heating the glass so much that it bleeds and webs out over other glasses—or use this quality as a design element. Consider using 000101-0576, Stiff Black for a crisper appearance.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000101-0576 **Stiff Black**

Cold characteristics
True black, looks identical to 000100-0576.

Working notes

Torch: Holds a crisp edge in the flame longer & hotter than 000100-0576.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

Other
Stiff Black was originally developed for glass blowing purposes such as the Roll-up technique. Labeling is encouraged because it looks identical to 000100-0576.


000108-0576 **Powder Blue**

Cold characteristics
Translucent, milky blue.

Working notes

Torch: A relatively translucent opalescent style that is more opaque when used in thicker applications, such as a core bead.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000112-0576 **Mint Green**

Cold characteristics
Translucent, milky green.

Working notes

Torch: A relatively translucent opalescent style that is more opaque when used in thicker applications, such as a core bead. Sometimes small bubbles are evident while the glass is molten but these typically are not visible in the cold rod or the finished work.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000114-0576 **Cobalt Blue**

Cold characteristics
Slightly translucent opalescent blue. Light cobalt color.

Working notes

Torch: Working properties and kilnformed characteristics are consistent with sheet glass.

Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

Other
For a deeper cobalt blue consider using 000147-0576, Deep Cobalt Blue.


000116-0576 **Turquoise Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Slightly translucent opalescent turquoise.

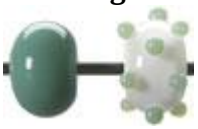
Working notes

Torch: In general, 000116-0576 becomes more opaque once it is flameworked, although it is translucent in smaller amounts.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000117-0576 **Mineral Green**

Cold characteristics
Slightly translucent opalescent.

Working notes



Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000120-0576 **Canary Yellow**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
Opaque.

Working notes

Torch: Lighter color and greater opacity than in sheet glass form. Keep it a bright yellow by working with a neutral to oxidizing flame atmosphere. Can turn gray in reduction.
Kiln: Lighter color and greater opacity than in sheet glass form.

 000124-0576 **Red**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Slight variations in cold color from one production run to another.

Working notes

Torch: Lighter color and greater opacity than in sheet glass form. Keep it bright red by working with a neutral to oxidizing flame atmosphere. Can turn gray in reduction. A range of color can be achieved by variations in heatwork in a single piece.
Kiln: Lighter color and greater opacity than in sheet glass form.

 000125-0576 **Orange**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Opaque.

Working notes

Torch: Lighter color and greater opacity than in sheet glass form. Keep it bright orange by

working with a neutral to oxidizing flame atmosphere. Can turn gray in reduction.
Kiln: Lighter color and greater opacity than in sheet glass form.


000126-0576 **Spring Green**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
Slight variations from one production run to another.

Working notes

Torch: Lighter color and greater opacity than in sheet glass form. Keep it a bright chartreuse by working with a neutral to oxidizing flame atmosphere. Can turn gray in reduction.
Kiln: Lighter color and greater opacity than in sheet glass form.


000127-0576 **Nougat**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
A warmer neutral than French Vanilla (000137-0576).

Working notes

Torch: Rod-only glass style. A range of color can be achieved by variations in heatwork within a single piece. To avoid reduction, work in a neutral-to-oxidizing flame atmosphere.
Kiln: Rod-only glass style. Warm, neutral color. Rod color is close to 000137-30, French Vanilla sheet, after a full fuse firing. A linear, streaked design may develop upon firing and may be visible whether fired lengthwise or on end.


000132-0576 **Driftwood Gray**

Working notes

Torch: A stable pale gray that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000136-0576 **Deco Gray**

Working notes

Torch: Avoid thermal shock by warming this style gradually.
Kiln: Slightly browner and less purple than in kilnformed sheet form.


000137-0576 **French Vanilla**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
Opaque, very white.

Working notes

Torch: Avoid thermal shock by warming this style gradually.
Kiln: Lighter color and greater opacity than in sheet glass form. Very viscous; will flow later and less than other glasses.

Other
000137 has a lighter color in rod (-0576) and stringer (-07, -72) forms than in sheet (-30).


000141-0576 **Dark Forest Green**

Cold characteristics
Opaque.

Working notes

Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000142-0576 **Neo-Lavender**

Cold characteristics
Slightly translucent opalescent. Color shift described below.

Working notes

Torch: A relatively translucent opalescent style that is more opaque when used in thicker applications, such as a core bead.
Kiln: Consider a design solution to avoid or remove potential devitrification: cap with clear or sandblast/remove devitrification through coldworking methods.

Other
000142-0576 is a rare earth glass that shifts from icy blue to bright pastel lavender depending on the light source. It is not a striking glass. Consider a design solution to avoid or remove potential devitrification: cap with clear or sandblast/remove devitrification through coldworking methods.


000144-0576 **Teal Green**

Contains: Cu

May react with: Se S

Cold characteristics
Opaque.

Working notes

Torch: A stable blue-green that is not prone to reduction in a neutral flame. Can turn rust color in reduction.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000145-0576 **Jade Green**

Contains: Cu

May react with: Se S

Cold characteristics
Opaque.

Working notes

Torch: A stable green that is not prone to reduction in a neutral flame. Can turn rust color in reduction. Slightly darker green than in sheet form.
Kiln: Slightly darker green than in sheet form. Working properties and kilnformed characteristics are consistent with sheet glass.


000146-0576 **Steel Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Opaque. Can have a dry surface.

Working notes

Torch: Keep the glass blue by working it in a neutral flame throughout the process and keep it uniformly heated. Develop a matte metallic surface on this glass by forming the glass in a neutral flame; next change the flame to a reducing atmosphere by turning down the oxygen. At this point the surface should begin developing a metallic quality. Then turn off the oxygen completely, and build up a layer of carbon on the glass. Put the piece away in the annealing kiln with this carbon layer on it. Once removed from the kiln, the carbon is easily removed to expose a matte metallic surface. If you return the carbonized piece to a neutral flame, the metallic surface will disappear.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 000147-0576 **Deep Cobalt Blue**

Cold characteristics
Opaque.

Working notes

Torch: A stable blue that is not prone to reduction in a neutral flame.
Kiln: Consider a design solution to avoid or remove potential devitrification: cap with clear or sandblast/remove devitrification through coldworking methods.

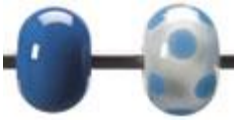
 000164-0576 **Egyptian Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Opaque.

Working notes



Torch: A stable blue that is not prone to reduction in a neutral flame. Can turn rust color in reduction.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000203-0576 **Woodland Brown**

Contains: Cu Se S

May react with: Cu Pb Se Ag S

Cold characteristics
Medium, mousey brown to gray, opaque.

Working notes

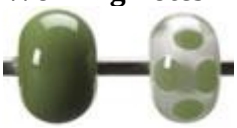
Torch: 000203-0576 matures to rich, dark brown in the flame.
Kiln: Lighter, yellow-side color in comparison to sheet glass form.

Other
The brown color of this style results from reactions between several of the elements that are listed as reactive with one another elsewhere on this chart. As such, it may react with many of the other glasses that contain these elements. However it is likely that the reaction will be subtle or unnoticeable due to similarities in the color of the reaction and the color of the glass. Lighter, yellow-side color in comparison to sheet glass form.


000212-0576 **Olive Green**

Cold characteristics
Opaque, muted green.

Working notes



Torch: A stable green that is not prone to reduce in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

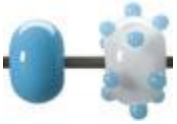
000216-0576 **Light Cyan**

Contains: Cu

May react with: Se S

Cold characteristics
Slightly translucent opalescent.

Working notes



Torch: To avoid reduction, work in a neutral-to-oxidizing flame atmosphere. Can turn rust color in reduction.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

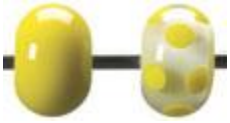
000220-0576 **Sunflower Yellow**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
A warmer version of 000120-0576, Canary Yellow. Opaque.

Working notes



Torch: This dense opalescent stays true to color except when used in the smallest amounts. Keep it bright yellow by working with a neutral-to-oxidizing flame atmosphere. Can turn gray in reduction. We advise labeling all striking glasses.
Kiln: Lighter color and greater opacity than in sheet glass form.

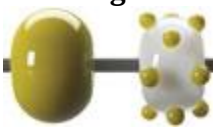
000227-0576 **Golden Green**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Opaque. Muted.

Working notes



Torch: A range of color can be achieved by variations in heatwork within a single piece. Lighter golden color and greater opacity than in sheet glass form. Slight variation in color with different production runs.
Kiln: Lighter golden color and greater opacity than in sheet glass form. Slight variation in color with different production runs.

Other
Flameworked color is a shade darker than the cold rod.

000243-0576 **Translucent White**

Contains: Pb

May react with: Se S

Cold characteristics
(Deceptively) clear or clear with a white struck streak running lengthwise down the middle of the rod.

Working notes

Torch: 000243-0576 can strike to a transparent white with stone like qualities similar to quartz. Generally speaking, the heat required to form a bead leaves the glass unstruck and clear. This glass strikes as it cools, rather than when it is heated.

Here is a series of steps that can make the striking process more efficient:

Make a bead as usual in a neutral flame. Once the bead is formed, cool it (still in the flame, but farther away from the nozzle & flash it in an out of the flame). As the glass cools to a point where it is no longer moving or slumping on the mandrel, turn off the oxygen and hold the bead in the propane (fuel) flame while still rotating the mandrel.

Do this until carbon collects on the glass (not just the mandrel). The purpose is not to actually carbonize or reduce the glass but simply to keep it at a cool, consistent temperature throughout the piece. Turn the oxygen back on and ease the bead into the neutral flame from the tip of the flame (farthest from the nozzle). Reheat the glass and bring it to a slightly molten state while keeping it cool enough to retain its shape. The carbon will burn away. At this point, briefly remove the bead from the flame. Looking closely at the bead, it should start to take on a hazy appearance with a yellow tint which is the glass beginning to strike. The bead may need a little more heat, just to equalize the temperature of the glass and to keep it warm as it gets put into a kiln for annealing.

This process holds the glass in the appropriate striking zone, and is slightly unusual for many torchworking styles. This approach may not be necessary if the style of torchwork being done involves holding the glass at cooler temperatures over a longer period of time (like some sculptural work).

Other
In making components for kilnforming, it is not necessary to strike the glass in the flame because it will strike in the subsequent kilnforming processes. On a similar note, 000243-0576 that has been struck to a translucent white in a kiln may change back to clear if worked in the flame.

It is possible to strike portions of the 000243-0576 to translucent white and leave some portions clear within the same piece. Continued work in the flame on a piece that is already opalized can "chase" the translucent white color from the molten area and concentrate it in the cooler area within a single piece.
Kiln: Opacity may vary upon firing , as the core may not strike completely. Expect variation.


000301-0576 **Pink**

Contains: Pb

May react with: Se S

Cold characteristics
Palest pink with a slight blue cast.

Working notes

Torch: Strike this glass to pink by working it in the flame, then cooling it just outside of the flame and then gradually reheating it. Once struck it should be medium to dark pink while it is still hot. If the glass looks white, continue to cool and gradually reheat the glass until it strikes. The pink is easier to strike if it has been worked in a cooler flame to begin with; try to work with it farther out in the flame, away from the nozzle. When molten, this glass has a low viscosity and can be quite soft, which may result in a blurred edge where it meets other glasses. We advise labeling all striking glasses.
Kiln: Not recommended for kilnforming.


000303-0576 **Dusty Lilac**

Contains: Pb

May react with: Se S

Cold characteristics
Opaque, muted lilac. Can have a semi matte surface.

Working notes

Torch: 000303-0576 becomes shiny once it is worked in the flame, and remains so in the finished work. When molten, this glass has a low viscosity and can be quite soft, which may result in a blurred edge where it meets other glasses.
Kiln: Slight variation in color with different production runs.

000305-0576 **Salmon Pink**

Contains: Pb

May react with: Se S

Cold characteristics
Palest peach pink. Slightly translucent.

Working notes

Torch: Similar to 000301-0576 in nature and color, with slightly orange hues. Strike this glass to salmon pink by working it in the flame, then cooling it just outside of the flame and then gradually reheating it. Once struck it should be medium to dark orange-pink while it is still hot. If the glass looks white, continue to cool and gradually reheat the glass until it strikes. Striking this color is easier if it has been worked in a cooler flame to begin with; try to work with it farther out in the flame, away from the nozzle. When molten, this glass has a low viscosity and can be quite soft, possibly resulting in a blurred edge where it meets other glasses. We advise labeling all striking glasses.
Kiln: Not recommended for kilnforming.

000309-0576 **Cinnabar**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Opaque.

Working notes

Torch: Depending on the heatwork of the glass, as indicated by color when it is put into an annealing kiln, a range of colors may be achieved. If this glass is put into an annealing kiln with a deep brown hue, a target Cinnabar color will result in the finished piece. If it is very light beige, as opposed to deep brown, and the desired result is Cinnabar, gradually cool and reheat the glass without bringing it to a soft state. Look for it to turn deep brown and then put it into an annealing kiln.
Kiln: Lighter color and greater opacity than in sheet glass form. Rod color is close to 000329-30, Burnt Orange, after a full fuse firing.

 000312-0576 **Pea Pod**

Cold characteristics
Opaque.

Working notes
Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 000313-0576 **Dense White**

Contains: Pb

May react with: Se S

Cold characteristics
Translucent, milky white.

Working notes

Torch: 000313-0576 opacifies when used in the flame. Is whitest when used as a core bead. 000313-0576 is more prone to reduction than other Bullseye styles. Keep it white by working with it in a slightly oxidizing atmosphere. Sometimes small bubbles are evident while the glass is molten, but these typically are not visible in the cold rod or the finished work.
Kiln: Not recommended for kilnforming.

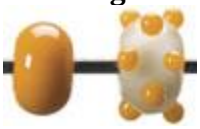
 000321-0576 **Pumpkin Orange**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
In cold rod form, the color of 0321-0576 can vary even within the same production run.

Working notes



Torch: This style may start off as light orange, consistently developing a bright, squashy color upon use in the flame. Depending on the color of the bead when it is put away, a range of colors may be achieved. If this glass is put into an annealing kiln with a red hue, then a true pumpkin orange color will result in the finished piece. If it is very light orange as opposed to red and the desired result is a true pumpkin orange color, gradually cool and reheat the glass without bringing it to a soft state, look for it to turn red and then put it into the annealing kiln.
Kiln: Lighter color and greater opacity than in sheet glass form. Slight variation in color with different production runs.

 000329-0576 **Burnt Orange**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Opaque.

Working notes

Torch: A range of color can be achieved by variations in heatwork within a single piece.
Kiln: Lighter color and greater opacity than in sheet glass form. Slight variation in color with different production runs.

Other
Flameworked color is a shade darker than the cold rod.


000334-0576 **Gold Purple**

Contains: Pb

May react with: Se S

Cold characteristics
Opaque, dark purple.

Working notes

Torch: Gold Purple in rod form becomes lighter in color once flameworked. When molten, this glass has a low viscosity and can be quite soft, which may result in a blurred edge where it meets other glasses.
Kiln: Not recommended for kilnforming.

Other
The name Gold Purple comes from the gold that is used as an ingredient in the manufacturing process.


000337-0576 **Butterscotch**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Opaque.

Working notes

Torch: A range of color can be achieved by variations in heatwork within a single piece.
Kiln: Lighter color and greater opacity than in sheet glass form.

Other
Flameworked color is a shade darker than the cold rod.


000421-0576 **Petal Pink**

Cold characteristics
Slightly translucent opalescent.

Working notes

Torch: A stable pink that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


000459-0576 **Rhubarb Pastel**

Cold characteristics
Slightly translucent opalescent. Color shift described below.

Working notes

Torch: A stable pastel that is not prone to reduction in a neutral flame.
Kiln: Rod-only glass style. Consider a design solution to avoid or remove potential devitrification: cap with clear or sandblast/remove devitrification through coldworking methods.

Other
An opalescent version of 001859, 000459 is a rare earth glass that shifts from a pale blue to a pale green to a neutral pink depending on the light source.

 001022-0576 **Red-orange**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Light transparent amber.

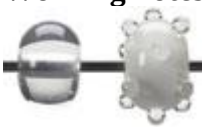
Working notes

Torch: Strikes to a red-orange in the flame. Keep 001022-0576 transparent by using it in small amounts with minimal heatwork, or adding it near the end of the time in the flame. Before it is put into an annealing kiln, check that 001022-0576 has truly struck; it should appear very dark, almost black. If it is still light in color, gently cool and reheat the glass without bringing it to a molten state and watch for the glass to darken as it strikes. We advise labeling all striking glasses.
Kiln: Rod-only glass style.

 001101-0576 **Clear**

Cold characteristics
Clear. May have a green cast when viewed from the end.

Working notes

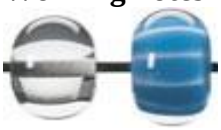


Torch: This clear has very few internal bubbles and is very suitable for encasing. To avoid reduction, work with 001101-0576 in a neutral-to-oxidizing flame atmosphere.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001101-0876 **CLEAR 7-9mm**

Cold characteristics
Clear. May have a green cast when viewed from the end.

Working notes

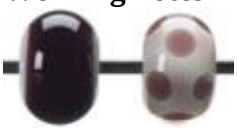


Torch: This wider clear rod has few internal bubbles and is suitable for encasing. To avoid reduction, work in a neutral-to-oxidizing flame atmosphere.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001105-0576 **Deep Plum**

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes



Torch: Dense color that remains strong even in thin applications.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001107-0576 **Light Green**

Cold characteristics
Light transparent bottle green.

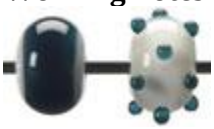
Working notes

Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001108-0576 **Aquamarine Blue**

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes

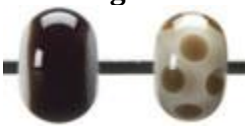


Torch: Dense color that remains strong even in thin applications.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001109-0576 **Dark Rose Brown**

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes



Torch: Dense color that appears to be light plum in thin applications.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001112-0576 **Aventurine Green**

Cold characteristics
Opaque with a semi-matte, gritty, sparkled surface that is smoother than 001412-0576, Light Aventurine Green.

Working notes

Torch: In the flame, the gritty texture of the cold rod translates to light sparkles suspended in a smooth transparent green glass. When molten, this glass has an extremely low viscosity and can be quite soft, which may result in a blurred edge where it meets other glasses.
Kiln: Sparkles are more densely populated on the outer surface of the rod.

Other
001112-0576 is more of a blue-green with smaller sparkles than 001412-0576. This difference is most evident in thin applications.

 001114-0576 **Deep Royal Blue**

Cold characteristics
Dark transparent blue. 001114-0576 is extremely consistent from one production run to another.

Working notes

Torch: Dense color that remains strong even in thin applications. A stable blue that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

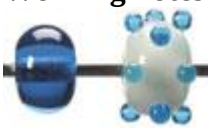
 001116-0576 **Turquoise Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Bright transparent turquoise.

Working notes



Torch: A stable blue that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001118-0576 **Midnight Blue**

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes

Torch: Dense color that remains strong even in thin applications.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001119-0576 **Sienna**

Contains: Cu Se S

May react with: Pb Se Ag S

Cold characteristics
Very dark brown.

Working notes

Torch: Color develops in the flame. Keep this style transparent by using it in small amounts with minimal heatwork.

Other
The brown color of this style results from reactions between several of the elements that are listed as reactive with one another elsewhere on this chart. As such, it may react with many of

the other glasses that contain these elements. However it is likely that the reaction will be subtle or unnoticeable due to similarities in the color of the reaction and the color of the glass. We advise labeling all striking glasses.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

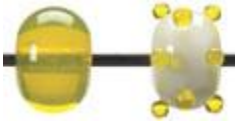

001120-0576 **Yellow**

Contains: S

May react with: Cu Ag

Cold characteristics
Pale transparent amber, similar to 001125-0576 and 001437-0576. May have a struck streak of yellow running lengthwise down the rod.

Working notes



Torch: Yellow color develops in the flame. Keep 001120-0576 transparent by using it in small amounts with minimal heatwork, or consider adding it towards the end of the time in the flame. We advise labeling all striking glasses.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

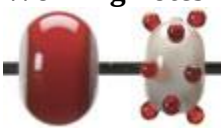

001122-0576 **Red**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Candy apple red with slight variance in transparency.

Working notes



Torch: Consistent color. Keep 001122-0576 transparent by using it in small amounts with minimal heatwork, or adding it towards the end of the time in the flame. We advise labeling all striking glasses.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001125-0576 **Orange**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Pale transparent amber, similar to 001120-0576 and 001437-0576. May have a struck streak of orange running lengthwise down the rod.

Working notes

Torch: Strikes to saturated, transparent orange. Keep 001125-0576 transparent by using it in small amounts with minimal heatwork, or adding it towards the end of the time in the flame. We advise labeling all striking glasses.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001126-0576 **Chartreuse**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
Extremely light coloration.

Working notes

Torch: Strikes to a variety of greens ranging from dark yellow-green to lighter pale green. Keep 001126-0576 transparent by using it in small amounts with minimal heatwork, or adding it towards the end of the time in the flame. We advise labeling all striking glasses.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001128-0576 **Deep Royal Purple**

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes

Torch: Dense color that remains strong even in thin applications.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001129-0576 **Charcoal Gray**

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes

Torch: Dense color that remains strong even in thin applications.

Other
1129-0576 is also an option for a dark core bead that looks black but behaves with higher viscosity than Black (000100-0576). See Stiff Black (000101-0576) for similar qualities.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

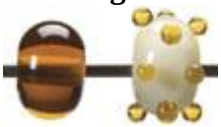
 001137-0576 **Medium Amber**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
Transparent amber, slightly deeper than the cold color of 001022-0576.

Working notes

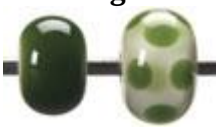


Torch: A stable amber that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001141-0576 **Olive Green**

Cold characteristics
Dark transparent green.

Working notes



Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001145-0576 **Kelly Green**

Contains: Cu

May react with: Se S

Cold characteristics
Very dark transparent, could be mistaken for black. View in strong backlight to verify color.

Working notes

Torch: Dense color that remains strong even in thin applications.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

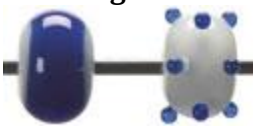
 001164-0576 **Caribbean Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Deep transparent; slightly more transparent than 001114-0576.

Working notes



Torch: Dense color that remains strong even in thin applications. Labeling is encouraged because of similarities with 001114-0576.
Kiln: Rod-only glass style.

 001215-0576 **Light Pink Striker**

Contains: Pb

May react with: Se S

Cold characteristics
Pale transparent blue to lavender. In some lighting may look similar to 001442-0576, 001311-0576, and 001342-0576.

Working notes

Torch: 001215-0576 strikes to a transparent pink in the flame. Work in a cooler, oxidizing atmosphere. May develop a light brown color on the surface of the glass if worked in the presence of too much propane (or fuel). Light Pink strikes more reliably in larger applications, such as a core bead.
Kiln: A linear, streaked design may develop upon firing and may be visible whether fired lengthwise or on end. Hue and saturation may also differ slightly when compared to sheet glass; a wider range is accepted due to changes that occur in the forming process.

Other
The resulting light pink is more transparent than torchworked sheet glass of the same style (001215-50, 001215-30). Consider encasing with clear to protect the surface from developing a light brown color in the hotter, neutral flame chemistry that you would use for most other styles. We advise labeling all striking glasses.

 001232-0576 **Light Fucshia**

Contains: Pb

May react with: Se S

Cold characteristics
Light blue-lavender. May have a hint of the struck color. Slight variations in cold and flameworked color from one production run to another.

Working notes

Torch: Work in a cooler, oxidizing atmosphere. Once formed in the flame, if Light Fuchsia has not struck, cool the glass in the flame until it is stable and behaves more like a solid. Gently reheat then cool the mass while looking for its color to deepen. Light Fuchsia strikes more reliably in larger applications, such as a core bead.
Kiln: Rod-only glass style. A linear, streaked design may develop upon firing and may be visible whether fired lengthwise, or on end.

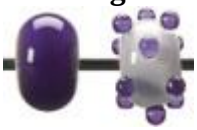
 001234-0576 **Violet Striker**

Contains: Pb

May react with: Se S

Cold characteristics
Transparent light-to-medium blue, similar to 001414-0576. There will be variance in the cold rods as some have streaks of darker blue.

Working notes



Torch: 001234-0576 strikes to a transparent blue-purple in the flame, but may develop light streaks of purple and/or pink. Work in a cooler, oxidizing atmosphere. May develop a light brown color on the surface of the glass if worked in the presence of too much propane (or fuel).
Kiln: Blue-violet. A linear, streaked design may develop upon firing and may be visible whether fired lengthwise or on end. Hue and saturation may also differ slightly when compared to sheet glass; a wider range is accepted due to changes that occur in the forming process.

Other
The color of struck 001234-0576 has more transparency and the hue has more blue undertones than torchworked sheet glass of the same style. Consider encasing with clear to protect the surface from developing a light brown color in the hotter, neutral flame chemistry that you would use for most other styles. We advise labeling all striking glasses.

 001305-0576 **Sunset Coral**

Contains: Pb Ag

May react with: Se S

Cold characteristics
Transparent peach with a hazy sheen.

Working notes

Torch: Work in a cooler, oxidizing atmosphere. May develop a light brown color on the surface of the glass if worked in the presence of too much propane (or fuel).
Kiln: A linear, streaked design may develop upon firing and may be visible whether fired

lengthwise or on end. Hue and saturation may also differ slightly when compared to sheet glass; a wider range is accepted due to changes that occur in the forming process.

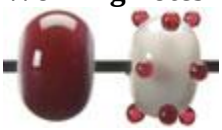
Other
Consider encasing with clear to protect the surface from developing a light brown color in the hotter, neutral flame chemistry that you would use for most other styles. We advise labeling all striking glasses.

 001311-0576 **Cranberry Pink**

Contains: Pb

May react with: Se S

Cold characteristics
Light transparent blue to lavender.

Working notes

Torch: 001311-0576 strikes to a deep transparent pink in the flame. Work in a cooler, oxidizing atmosphere. May develop a light brown color on the surface of the glass if worked in the presence of too much propane (or fuel).
Kiln: A linear, streaked design may develop upon firing and may be visible whether fired lengthwise or on end. Hue and saturation may also differ slightly when compared to sheet glass; a wider range is accepted due to changes that occur in the forming process.

Other
Consider encasing with clear to protect the surface from developing a light brown color in the hotter, neutral flame chemistry that you would use for most other styles. We advise labeling all striking glasses.

 001322-0576 **Garnet**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Pale transparent amber.

Working notes

Torch: Strikes to a deep red in the flame and is rust colored in small amounts. Keep 001322-0576 transparent by using it in small amounts with minimal heatwork, or adding it near the end of the time in the flame. Before it is put into an annealing kiln, check that 001322-0576 has truly struck; it should appear very dark, almost black. If it is still light in color, gently cool and reheat the glass without bringing it to a molten state and watch for the glass to darken as it strikes. Labeling is advised because 001322-0576 looks very similar to 001137-0576.
Kiln: Hue and saturation may differ slightly when compared to sheet glass; a wider range is accepted due to changes that occur in the forming process.

 001334-0576 **Gold Purple**

Contains: Pb

May react with: Se S

Cold characteristics
Dark transparent blue, similar to 1114.

Working notes

Torch: Work in a cooler, oxidizing atmosphere. May develop a light brown color on the surface of the glass if worked in the presence of too much propane (or fuel).
Kiln: A linear, streaked design may develop upon firing and may be visible whether fired lengthwise or on end. Hue and saturation may also differ slightly when compared to sheet glass; a wider range is accepted due to changes that occur in the forming process.

Other
Consider encasing with clear to protect the surface from developing the light brown color in the

hotter, neutral flame chemistry that you would use for most other styles. We advise labeling all striking glasses.

 001342-0576 **Cranberry Sapphirine**

Contains: Pb

May react with: Se S

Cold characteristics
Pale blue to lavender with a hazy sheen.

Working notes

Torch: 001342-0576 develops a range of streaky pinks in the flame. Work in a cooler, oxidizing atmosphere. May develop a light brown color on the surface of the glass if worked in the presence of too much propane (or fuel).
Kiln: Rod-only glass style. A linear, streaked design may develop upon firing and may be visible whether fired lengthwise or on end. Slight variation in color with different production runs.

Other
Sapphirine is designed to appear light blue in transmission and slightly brown in reflection in its cold state. It is designed to be streaky pink in transmission with slightly brown undertones in reflection after it has been flameworked. We advise labeling all striking glasses.

 001401-0576 **Crystal Clear**

Cold characteristics
Bright, colorless crystal clear when viewed from the end.

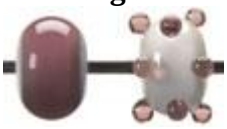
Working notes

Torch: This clear has very few internal bubbles and is very suitable for encasing. To avoid

reduction, work with 001401-0576 in a neutral to oxidizing flame atmosphere.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001405-0576 **Light Plum**

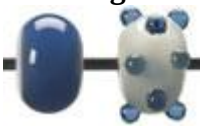
Working notes


Torch: A stable plum that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001406-0576 **Steel Blue**

Cold characteristics
Medium to dark transparent blue. Muted.

Working notes


Torch: A stable blue that is not prone to reduction in a neutral flame.

Other
001406-0576 is consistent in color and more predictable than its opalescent partner, 000146-0576.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

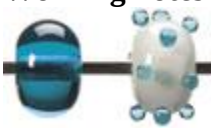
 001408-0576 **Lt. Aquamarine Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Transparent.

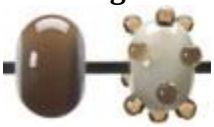
Working notes



Torch: A stable blue that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

001409-0576 **Light Bronze**

Working notes



Torch: A stable brown that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

001412-0576 **Lt. Aventurine Green**

May react with: Se S

Cold characteristics
Gritty, sparkled surface that is rougher and slightly more transparent than 001112-0576, Aventurine Green.

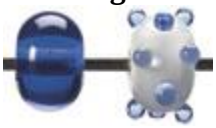
Working notes

Torch: In the flame, the gritty texture of the cold rod translates to light sparkles suspended in a smooth transparent green glass. When molten, this glass has an extremely low viscosity and can be quite soft, which may result in a blurred edge where it meets other glasses.
Kiln: Sparkles are more densely populated on the outer surface of the rod.

Other
001412-0576 is more of a yellow-green with larger sparkles than 001112-0576. This difference is most evident in thin applications.

 001414-0576 **Light Sky Blue**

Working notes



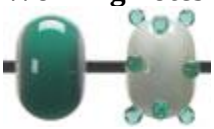
Torch: A stable blue that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001417-0576 **Emerald Green**

Contains: Cu

May react with: Se S

Working notes



Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001426-0576 **Spring Green**

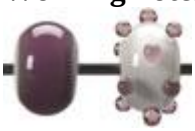
Cold characteristics
Medium transparent green with yellow hue.

Working notes

Torch: A stable green that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001428-0576 **Light Violet**

Working notes



Torch: A stable violet that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001429-0576 **Light Silver Gray**

Working notes

Torch: A stable gray that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001437-0576 **Light Amber**

Contains: S

May react with: Cu Pb Ag

Cold characteristics
Light transparent amber. Could be mistaken for 001120-0576, 001125-0576, or 001820-0576, so we advise labeling.

Working notes

Torch: A stable amber that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001439-0576 **Khaki**

Cold characteristics
Medium transparent brown, with more gray tones than 001409-0576.

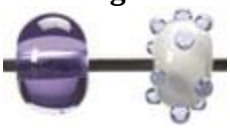
Working notes

Torch: A stable brown that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001442-0576 **Neo-Lavender Shift**

Cold characteristics
Color shifts between transparent icy blue and lavender depending on the light source. Beware, this style looks clear when viewed through didymium lenses.

Working notes



Torch: Use over oranges and reds to intensify brightness.
Kiln: Reflective optical effect along interface with other styles, which is most visible when paired with transparent styles such as clear or tints.

Other
Finished work will have the same color shift properties as the glass in its un-worked, cold state. Not a striking glass.

 001506-0576 **Pale Steel Blue**

Cold characteristics
Medium-to-light transparent blue. Muted.

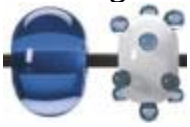
Working notes

Torch: Rod-only glass style. A stable blue that is not prone to reduction in a neutral flame. Lighter color saturation than Steel Blue (001406-0576).
Kiln: Rod-only glass style. Less saturated and more transparent than Steel Blue (001406-0576).

Other
Pale Steel Blue is consistent in color and more predictable than Steel Blue Opal (000146-0576).


001514-0576 **Pale Sky Blue**

Cold characteristics
Light transparent blue.

Working notes

Torch: Rod-only glass style. A stable blue that is not prone to reduction in a neutral flame. Lighter color saturation than Light Sky Blue (001414-0576).
Kiln: Rod-only glass style. Less saturated and more transparent than Light Sky Blue (001414-0576).


001517-0576 **Pale Emerald**

Contains: Cu

May react with: Se S

Cold characteristics
Light, bright transparent green.

Working notes

Torch: Rod-only glass style. A stable green that is not prone to reduction in a neutral flame. Lighter color saturation than Emerald Green (001417-0576).
Kiln: Rod-only glass style. Less saturated and more transparent than Emerald Green (001417-0576).

 001528-0576 **Pale Amethyst**

Cold characteristics
Light, muted violet.

Working notes

Torch: Rod-only glass style. A stable violet that is not prone to reduction in a neutral flame. Lighter color saturation than Light Violet (001428-0576).
Kiln: Rod-only glass style. Less saturated and more transparent than Light Violet (001428-0576).

 001701-0576 **Amber Lustre**

Contains: Pb Ag

May react with: Se S

Cold characteristics
Clear.

Working notes

Torch: A reducing glass that can develop a metallic sheen with an amber cast. Begin by working 001701-0576 in a neutral flame. When ready to develop a metallic sheen, the glass should be relatively cool (no visible heat) and stable on the mandrel. Create a reduction atmosphere by turning the propane (fuel) up and watch for the surface of the glass to become metallic. Once this has happened, the piece should be put into an annealing kiln. This is a finishing step. If the metallic surface is reintroduced to a neutral flame, it will dissipate. It can be brought out again by returning it to a reduction atmosphere. When molten, this glass has a low viscosity, and can be quite soft, which may result in a blurred edge where it meets other glasses. In addition, the process of reducing the glass can cause a metallic sheen over areas of glass immediately adjacent to this style.
Kiln: Not recommended for kilnforming.

Other
001701-0576 is a relatively heavy glass, and there are 14 rods per pound (compared with 18-20

rods per pound for most other styles). Labeling is encouraged, because 001701-0576 stays deceptively clear until reduced.

Lustre rods are not part of the Bullseye Compatible line for kilnforming and are formulated solely for flameworking with Bullseye rods. We advise labeling all lustre glasses.

 001707-0576 **Green Lustre**

Contains: Pb Ag

May react with: Se S

Cold characteristics
Pale transparent green.

Working notes

Torch: A reducing glass that can develop a metallic sheen. In some cases, this metallic sheen is transparent enough to see through it to the green glass. Start by working 001707-0576 in a neutral flame. When you are ready to develop a metallic sheen, the glass should be relatively cool (no visible heat) and stable on the mandrel. Create a reduction atmosphere by turning the propane (fuel) up and while passing the bead through the flame, watch for the surface of the glass to become metallic. Once this has happened, the piece should be put into an annealing kiln. This is a finishing step. If the metallic surface is reintroduced to a neutral flame, it will dissipate. It can be brought out again by returning it to a reduction atmosphere. When molten, this glass has a low viscosity, and can be quite soft, which may result in a blurred edge where it meets other glasses. In addition, the process of reducing the glass can cause a metallic sheen over areas of glass immediately adjacent to this style.
Kiln: Not recommended for kilnforming.

Other
001707-0576 is a relatively heavy glass, and there are 14 rods per pound (compared with 18-20 rods per pound for most other styles). Labeling is encouraged, because 001707-0576 stays deceptively green until reduced.

Lustre rods are not part of the Bullseye Compatible line for kilnforming and are formulated solely for flameworking with Bullseye rods. We advise labeling all lustre glasses.

 001714-0576 **Blue Lustre**

Contains: Pb Ag

May react with: Se S

Cold characteristics
Dark transparent blue.

Working notes

Torch: A reducing glass that can develop a metallic sheen similar to polished hematite. Begin by working 001714-0576 in a neutral flame. When ready to develop a metallic sheen, the glass should be relatively cool (no visible heat) and stable on the mandrel. Create a reduction atmosphere by turning the propane (fuel) up and watch for the surface of the glass to become metallic. Once this has happened, the piece should be put into an annealing kiln. This is a finishing step. If the metallic surface is reintroduced to a neutral flame, it will dissipate. It can be brought out again by returning it to a reduction atmosphere. When molten, this glass has a low viscosity, and can be quite soft, which may result in a blurred edge where it meets other glasses. In addition, the process of reducing the glass can cause a metallic sheen over areas of glass immediately adjacent to this style.
Kiln: Not recommended for kilnforming.

Other
001714-0576 is a relatively heavy glass, and there are 14 rods per pound (compared with 18-20 rods per pound for most other styles). Labeling is encouraged, because 001714-0576 stays deceptively blue until reduced.

Lustre rods are not part of the Bullseye Compatible line for kilnforming and are formulated solely for flameworking with Bullseye rods. We advise labeling all lustre glasses.

 001717-0576 **Copper Green Lustre**

Contains: Cu Pb Ag

Cold characteristics
Pale transparent aqua-green.

Working notes

Torch: A versatile reducing glass that can develop a metallic sheen and/or opalize to a variagated, putty-like green. These various effects can be achieved by working with 001717-0576 with specific flame chemistry and heat history. Results will depend greatly upon the type of heat and forming methods required.

As 001717-0576 is heated into a gather and wound onto a mandrel, it will opalize on the rod between the gather and the cold glass. If formed hot enough, the bead will remain transparent. When you are ready to develop a metallic sheen, the glass should be relatively cool (no visible heat) and stable on the mandrel. Create a reduction atmosphere by turning the propane (fuel) up and while passing the bead through the flame, watch for the surface of the glass to become metallic. The lustre surface develops readily on cooler glass and can vary greatly depending on the length of time spent in the reduction atmosphere. Once this has happened, the piece should be put into an annealing kiln. This is a finishing step. If the metallic surface is reintroduced to a neutral flame, it will dissipate. It can be brought out again by returning it to a reduction atmosphere.

Often a design will necessitate holding the glass at a warm, stable state (cooler than molten, fluid glass). Under these conditions, 001717-0576 is likely to opalize. Once opalized, 001717-0576 may still be reduced as described above to bring out a metallic sheen, though it takes a little longer to develop. The finished appearance is different because it is backed by the opalized glass. Consider using 001717-0576 for its unique opalized color and work with it in a neutral to oxidizing atmosphere without reduction treatment.

When molten, this glass has a low viscosity, and can be quite soft, which may result in a blurred edge where it meets other glasses. In addition, the process of reducing the glass can cause a metallic sheen over areas of glass immediately adjacent to this style.
Kiln: Not recommended for kilnforming.

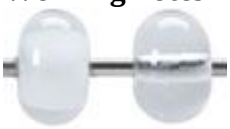
Other
001717-0576 is a relatively heavy glass, and there are 14 rods per pound (compared with 18-20 rods per pound for most other styles). Labeling is encouraged.

Lustre rods are not part of the Bullseye Compatible line for kilnforming and are formulated solely for flameworking with Bullseye rods. We advise labeling all lustre glasses.


001806-0576 **Juniper Blue**

Cold characteristics
Light coloration, barely blue. View on a white background to verify color. May be mistaken for clear.

Working notes

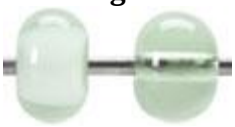


Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


001807-0576 **Grass Green**

Cold characteristics
Light coloration, transparent green.

Working notes



Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.


001808-0576 **Aqua Blue**

Contains: Cu

May react with: Se S

Cold characteristics
Light coloration, transparent aqua blue.

Working notes

Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001812-0576 **Seaweed Aventurine Tint**

Cold characteristics
In cold rod form, the color of 001812-0576 can vary even within the same production run, but is generally a light transparent streaky green, with a gritty, sparkled texture. 001812-0576 is more transparent than 001112-0576 and 001412-0576.

Working notes

Torch: In the flame, the gritty texture of the cold rod translates to light sparkles suspended in a smooth transparent green glass. The streaks from the cold rod may be evident in finished work. A stable tint that is not prone to reduction in a neutral flame.
Kiln: Various amounts of Aventurine Green streaked through a clear base. Expect variation. Aventurine streaks may be present at any location throughout the rod and are oftentimes part of the core.

 001820-0576 **Pale Yellow**

Cold characteristics
Light coloration, transparent yellow. Differentiate from 001437-0576, 001120-0576, and 001125-0576 by looking for a bright yellow color in transmission when viewed from the end.

Working notes

Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

 001821-0576 **Erbium Pink**

Cold characteristics
Light coloration, transparent pink.

Working notes

Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

001834-0576 **Coral Orange**

Contains: Se

May react with: CuPb

Cold characteristics
Light coloration, transparent orange.

Working notes

Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

001841-0576 **Spruce Green**

Cold characteristics
Light coloration, transparent muted blue-green.

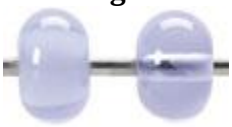
Working notes

Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

001842-0576 **Lt. Neo-Lavender Shift**

Cold characteristics
Color shifts between transparent icy blue and lavender depending on the light source. 001842-0576 is more transparent than 001442-0576 (Neo-Lavender). Beware, this style looks clear when viewed through didymium lenses.

Working notes



Torch: Use over oranges and reds to intensify brightness. A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

Other
Finished work will have the same color shift properties found in the cold glass. Not a striking glass.

001859-0576 **Rhubarb Pk/Grn Shift**

Cold characteristics
Though it depends on somewhat on the light source, this glass is typically green where thin and pink where thick.

Working notes

Torch: A stable tint that is not prone to reduction in a neutral flame.
Kiln: Working properties and kilnformed characteristics are consistent with sheet glass.

Other
Finished work will have the same color shift properties found in the cold glass. When used in small amounts, the shift between green and pink in this rare earth glass is subtle. The color shift becomes more dramatic in thicker applications and depends on the light source. In mixed types of light it appears to be brown. Not a striking glass.

002010-0576 **Clear and Pink Opal**

Contains: Pb

May react with: Se S

Cold characteristics
Streaky translucent. Pink opal and clear blend with variations in opacity even within the same production run.

Working notes

Kiln: Not recommended for kilnforming.

Other
This range of mixed-color rods was developed to facilitate making beads and other flameworked components with deep, marbled qualities.

002020-0576 **Clear and Sunflower Yellow Opal**

Contains: Se S

May react with: Cu Pb Ag

Cold characteristics
Streaky translucent. Sunflower opal and clear blend with variations in opacity even within the same production run.

Working notes

Kiln: Not recommended for kilnforming.

Other
This range of mixed-color rods was developed to facilitate making beads and other flameworked components with deep, marbled qualities.

002050-0576 **Clear and Salmon Opal**

Contains: Pb

May react with: Se S

Cold characteristics
Streaky translucent. Salmon Opal and clear blend with variations in opacity even within the same production run.

Working notes

Kiln: Not recommended for kilnforming.

Other
This range of mixed-color rods was developed to facilitate making beads and other flameworked components with deep, marbled qualities.