

## Description

ORALITE® Brilliance® Series GP095 is a soft, flexible sew on glass bead reflective trim designed for garments where industrial wash, arc and flame resistance are required.

ORALITE® GP095 Brilliance Series reflective trim complies with all the requirements of ANSI/ISEA 107-2015, and CSA Z96-2015 for Level 2 photometric performance.

## Construction

ORALITE® GP095 Brilliance Series reflective trim is composed of wide-angle, exposed glass bead microsphere retroreflective elements bonded to a fire retardant fabric backing (100% aramid).

## Reflectivity

ORALITE® GP095 Brilliance Series reflective trim exceeds the minimum reflectivity requirements of ANSI/ISEA 107-2015, Table 5 and CSA Z96-2015, Level 2. Typical photometric performance of ORALITE® GP095 Brilliance Series reflective trim exceeds 500 cd/lux/m<sup>2</sup> at observation angle 0.20° and entrance angle +5°.

## Color

ORALITE® GP095 Brilliance Series reflective trim is available in silver (daytime appearance) with a white reflected color (nighttime appearance).

## Arc Resistance

ORALITE® GP095 Brilliance Series reflective trim, when tested in accordance with ASTM F1506 and F1891, complies with the minimum requirements. Additionally, the material has an ATPV (Arc Thermal Performance Value) greater than 15 cal/cm<sup>2</sup> as per ASTM F1959.

## Flame Resistance

When tested in accordance with ASTM D6413, ORALITE® GP095 Brilliance Series reflective trim is below the maximum allowable by of NFPA 1971-2013 for both afterflame ( $\leq 2.0$  seconds), and char length ( $\leq 4.0$  inches). Per the requirement, the trim does not melt or drip.

## Machine Washing

ORALITE® GP095 Brilliance Series reflective trim continues to perform above the minimum requirements for ANSI/ISEA 107-2015 and CSA Z96-2015 when washed in accordance to the following standards for the specified cycles:

- ISO 6330:2012 Method 6N 50 cycles at 140°F [60° C]
- ISO 6330:2012 Method 9N 25 cycles at 198°F [92° C]
- ISO 15797:2002 Method 8 35 cycles at 167°F (75° C) tumble dryer at 194°F [90° C] or tunnel dry 311°F [155°C]
- ISO 15797:2002 Method 2 50 cycles at 167°F (75° C) tumble dryer at 194°F [90° C] or tunnel dry 311°F [155°C]

## Dry Cleaning

ORALITE® GP095 Brilliance Series reflective trim when dry cleaned in accordance with ISO 3175 normal cycle (perchloroethylene) continues to perform through 30 cycles.

## Application Instructions

ORALITE® GP095 Brilliance Series reflective trim is of a single layer construction which allows for stitching in any area of the surface. A stitch count of 8 stitches per linear inch (2.54 cm) is recommended. The stitching should be at least 3/32" (2.5 mm) from the edge of the garment trim.

## Shelf Life

The product must be used within one year from the shipment date. All rolls including partially used rolls should be stored in original packaging, tightly wound. Store in a clean and dry area, away from direct sunlight; at 65° F (20°C) and 50% relative humidity.



ORAFOL Americas – GA  
1100 Oracal Parkway  
Black Creek, GA 31308  
Phone: 888.672.2251

[reflective-americas@orafol.com](mailto:reflective-americas@orafol.com)

ORAFOL Americas – CT  
120 Darling Drive  
Avon, CT 06001  
Phone: 800.654.7570

[www.orafolamericas.com](http://www.orafolamericas.com)

ORAFOL Canada  
2831 Bristol Circle  
Oakville, Ontario L6H 6X5  
Phone: 888.727.3374

## Ordering Information

Item Number	Color	Size	Rolls per Case
8095-15500-0.51164	Silver	0.51" x 164" (13mm x 50M)	48
8095-15500-0.75164	Silver	3/4" x 164" (19mm x 50M)	32
8095-15500-010164	Silver	1" x 164" (25.4mm x 50M)	24
8095-15500-020164	Silver	2" x 164" (50.8mm x 50M)	12

### IMPORTANT NOTICE

All ORALITE® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORALITE® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORALITE® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use.

All specifications are subject to change without prior notice.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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[reflective-americas@orafol.com](mailto:reflective-americas@orafol.com)

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Phone: 888.727.3374