

Description

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

ORALITE® Brilliance® Series reflective trim complies with all the requirements of ANSI/ISEA 107-2020, and CSA Z96-2022 for Level 2 photometric performance.

Construction

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

Reflectivity

ORALITE® Brilliance® Series GP095 reflective trim exceeds the minimum reflectivity requirements of ANSI/ISEA 107-2020, Table 5 and CSA Z96-2022, Level 2. Typical photometric performance of ORALITE® Brilliance® Series GP095 reflective trim exceeds 500 cd/lux/m² at observation angle 0.20° and entrance angle +5°.

Color

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

Arc Resistance

ORALITE® Brilliance® Series GP095 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/cm² as per ASTM F1959.

Flame Resistance

When tested in accordance with ASTM D6413, ORALITE® Brilliance® Series GP095 reflective trim is below the maximum allowable by of NFPA 1971-2018 for both afterflame (≤ 2.0 seconds), and char length (≤ 4.0 inches). Per the requirement, the trim does not melt or drip.

Machine Washing

ORALITE® Brilliance® Series GP095 reflective trim continues to perform above the minimum requirements for ANSI/ISEA 107-2020 and CSA Z96-2022 when washed in accordance to the following standards for the specified cycles:

- 50 cycles - ISO 6330:2012 Method 6N at 140°F [60°C]
- 25 cycles - ISO 6330:2012 Method 9N at 198°F [92°C]
- 35 cycles - ISO 15797:2002 Method 8 at 167°F [75°C]
- 50 cycles - ISO 15797:2002 Method 2 at 167°F [75°C]

Dry Cleaning

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

Application Instructions

ORALITE® Brilliance® Series GP095 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

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

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

Note:

All ORALITE® products are manufactured within an ISO 9001:2015 controlled manufacturing environment and batch traceability is possible on the basis of the roll number.

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 may expose you to chemicals which are known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to – www.P65Warnings.ca.gov

ORALITE® is a trademark of ORAFOL Europe GmbH



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

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

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