

Description

ORALITE® Brilliance® Series GP090 reflective trim is a soft, flexible sew-on glass bead reflective trim designed for garments where industrial washing and specification compliance are required.

ORALITE® Brilliance® Series GP090 reflective trim complies with all the requirements for retroreflective material in accordance with ANSI/ISEA 107-2020; and CSA Z96-2022 for Level 2 photometric performance.

Product Construction

ORALITE® Brilliance® Series GP090 reflective trim is composed of wide-angle, exposed glass bead microsphere retroreflective elements bonded to a fabric backing (100% polyester).

Reflectivity

ORALITE® Brilliance® Series GP090 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 GP090 reflective trim exceeds 500 cd/lux/m² at observation angle 0.20° and entrance angle +5°.

Color

ORALITE® Brilliance® Series GP090 reflective trim is available in silver (daytime appearance) with a white reflected color (nighttime appearance).

Machine Washing

When attached to a variety of background materials, ORALITE® Brilliance® Series GP090 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:

- 100 cycles - ISO 6330:2012 Method 6N, 140°F [60°C]
- 50 cycles - ISO 15797:2002 Method 1.2 or Method 4.2, 167°F (75°C) tumble dryer at 194°F [90 C] or tunnel dry 311°F [155°C]

Application Instructions

ORALITE® Brilliance® Series GP090 reflective trim is 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.

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



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