

ORALITE® GP330 Performance Grade Prismatic Trim

(Formerly a Reflexite Branded Product)

Technical Datasheet

06/16

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Description

ORALITE® GP330 reflective trim is designed for use on all types of high visibility safety apparel. The retroreflective garment trim has a smooth-sealed outer surface as described in Part 6 of the MUTCD for traffic control devices.

Complies with all the requirements for retroreflective material in accordance with ANSI/ISEA 107-2015; and CSA Z96-2015 for Level 2 photometric performance.

Product Construction

ORALITE® GP330 reflective trim consists of a smooth surface, high gloss, abrasion and weather resistant uv-stabilized microprismatic retroreflective layer. The microprismatic film is welded to UV-stabilized polymeric film to protect the prisms from dirt and moisture. The trim can be sewn and /or high frequency welded.

Reflectivity

ORALITE® GP330 exceeds the minimum reflectivity requirements of ANSI/ISEA 107-2015, Table 5 and CSA Z96-2015 for Level 2 performance. Typical photometric performance of ORALITE® GP330 reflective trim exceeds 700 cd/lux/m² for white and combined performance fluorescent yellow-green and 400 cd/lux/m² for combined performance fluorescent orange-red at the observation angle 0.20° and entrance angle +5°.

Color

Available in white, combined performance fluorescent yellow green and combined performance red orange. Combined performance fluorescent yellow green and combined performance red orange meet the requirements of ANSI/ISEA 107-2015 and CSA Z96-2015 for Combined-Performance Materials, (CP). CP materials provide daytime visibility through fluorescent color and superior nighttime visibility through reflected color similar to that of its daytime appearance. CP materials count as background material in calculating minimum area requirements.

Enhanced Surface Preparation

ORALITE® GP330 is manufactured with a unique Enhanced Surface Preparation (ESP), which minimizes staining of the garment trim from fluorescent dyes as a result of bleeding from background fabrics during laundering and intimate contact. ESP also provides a glossy top surface, which is inherently resistant to soiling and allows for easy cleaning.

Wet Performance

When tested according to ANSI/ISEA 107-2015 section 10.4.6 Retroreflective Wet Performance, ORALITE® GP330 reflective trim will typically retain 70% of its photometric performance when dry.

Machine Washing

When washed in accordance with ISO 6330:2012, *Textiles - Domestic washing and drying procedures for textile testing*, Method 6N; continue to perform through 75 cycles at 140°F (60° C). Do not dry clean.

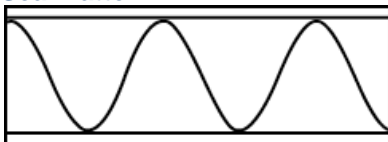
Application Instructions

ORALITE® GP330 is manufactured with an outer sewing border area. The sewing borders provide an area for sewing and/or high frequency welding the trim to garments without damaging the reflective properties. Stitching outside the prescribed borders may compromise the integrity of the trim. A stitch count of 8 stitches per linear inch (2.54 cm) is recommended.

Ordering Information

Item Number	Color	Size	Rolls per Case
116-1554-01.3300	white	1 3/8" x 300' (35mm x 91.46M)	7
116-2054-01.3300	combined performance fluorescent yellow green	1 3/8" x 300' (35mm x 91.46M)	7
116-8610-01.3300	combined performance red orange	1 3/8" x 300' (35mm x 91.46M)	7
118-1554-020300	white	2" x 300' (50.8mm x 91.46M)	5
118-2054-020300	combined performance fluorescent yellow green	2" x 300' (50.8mm x 91.46M)	5
118-8610-020300	combined performance red orange	2" x 300' (50.8mm x 91.46M)	5

Seal Pattern



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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.

ORALITE® is a registered trademark of ORAFOL Europe GmbH.



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