

Description

ORALITE® GP 025 is a glass bead garment tape designed for heat application onto garments, e.g. professional high visibility rain wear. ORALITE® GP 025 exceeds the minimum reflectivity requirements of EN ISO 20471:2013.

Product Construction

ORALITE® GP 025 is composed of wide-angle, exposed retroreflective lenses bonded to a heat activated polyurethane adhesive. The adhesive is protected by a plastic liner and the reflective side is protected by a paper liner.

Product Approvals

EN ISO 20471:2013 Separate Performance

Colour

ORALITE® GP 025 is available in silver (daytime appearance) with a white reflected colour.

Retroreflectivity

ORALITE® GP 025 exceeds the minimum reflectivity requirements of EN ISO 20471:2013, when tested at $e = 0^\circ$ or $e = 90^\circ$ in accordance with the procedures in EN ISO 20471. Minimum coefficients of retroreflection are shown in Table 1.

Machine Washing

ISO 6330:2012, Method 6N – 25 washes at 60° C.

Dry Cleaning

Do not dry clean.

Application Instructions

ORALITE® GP 025 has a single layer construction with a heat activated polyurethane adhesive backing. The protective plastic liner must be removed from the adhesive side prior to heat application. Please contact ORAFOL for full application instructions.

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. Store at 20° C and 50% relative humidity.

Table 1 - Retroreflectivity

| Observation Angle | Entrance Angle ($\beta_1, \beta_2=0$) | | | |
|-------------------|---|-----|-----|-----|
| | 5° | 20° | 30° | 40° |
| 0,20° (12') | 330 | 290 | 180 | 65 |
| 0,33° (20') | 250 | 200 | 170 | 60 |
| 1,00° (1°) | 25 | 15 | 12 | 10 |
| 1,50° (1°30') | 10 | 7 | 5 | 4 |

All values have units of cd/lux/m².

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.

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