

Description

ORALITE® GP 030P combines a unique appearance with protection, breathability and comfort. The tape is a soft, flexible sew-on glass bead microsphere reflective garment tape, perforated for breathability and designed for working in areas of fire protection where arc and flame resistance are required. The tape is ideal for all standard common high visibility work wear garments. ORALITE® GP 030P exceeds the minimum reflectivity requirements of EN ISO 20471:2013 & ANSI/ISEA 107-2015.

Product Construction

ORALITE® GP 030P is composed of wide-angle, exposed retroreflective lenses bonded to a 100% cotton sewable fabric.

Product Approvals

- EN ISO 20471:2013/A1:2016 – High-visibility warning clothing
- ANSI/ISEA 107-2015.
- EN 469:2005+A1:2016 – Protective clothing for firefighting
- EN ISO 14116:2015 – Clothing to protect against heat and flame. Limited flame spread materials, material assemblies and clothing.

Colour

ORALITE® GP 030P is available in silver (daytime appearance) with a white reflected colour.

Retroreflectivity

ORALITE® GP 030P exceeds the minimum reflectivity requirements of EN ISO 20471:2013, when tested at $e = 0^\circ$ or $e = 90^\circ$ and ANSI/ISEA 107-2015, Table 5 when tested in accordance with the relevant procedures. Minimum coefficients of retroreflection are shown in Table 1.

Flame Resistance

ORALITE® GP 030P meets the requirements of EN 469:2005 Clause 6.1 and 6.5 and EN 14116:2015 Index 3.

Machine Washing

ISO 6330:2010, Method 6N – 50 washes at 60° C.

Dry Cleaning

ISO 3175:2010, Method 9.1 – 30 cycles.

Sizes

ORALITE® GP 030P is available in the following widths - 30mm, 50mm or 70mm.

Note – For EN ISO 20471 garments, a minimum width of 50 mm is required.

Application Instructions

ORALITE® GP 030P has a single layer construction which allows for stitching in any area of the surface. A stitch count of 8 stitches per 2,54 cm is recommended. The stitching should be at least 2 mm from the edge of the garment tape.

Shelf Life

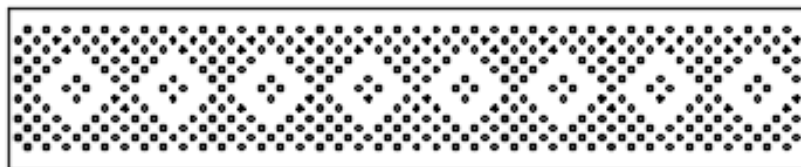
The product must be used within one year from the shipment date. All rolls including partially used rolls should be stored in original packaging, tightly wound. Store in a clean and dry area, away from direct sunlight. Store at 20° C and 50% relative humidity.

Table 1 – Retroreflectivity

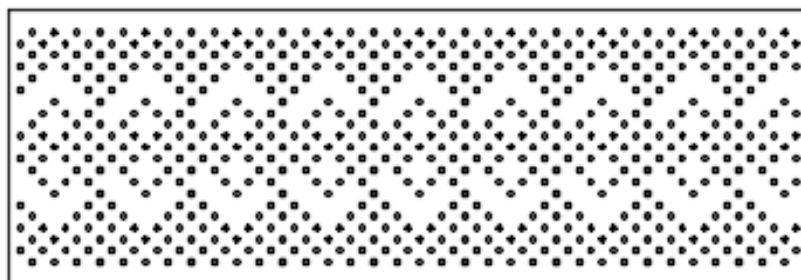
| Observation Angle | Entrance Angle ($\beta_1, \beta_2=0$) | | | |
|-------------------|---|-----|-----|-----|
| | 5° | 20° | 30° | 40° |
| 0,20° (12') | 330 | 290 | 180 | 65 |
| 0,33° (20') | 250 | 200 | 170 | 60 |
| 1,00° (1°) | 25 | 15 | 12 | 10 |
| 1,50° (1°30') | 10 | 7 | 5 | 4 |

All values have units of cd/lux/m².

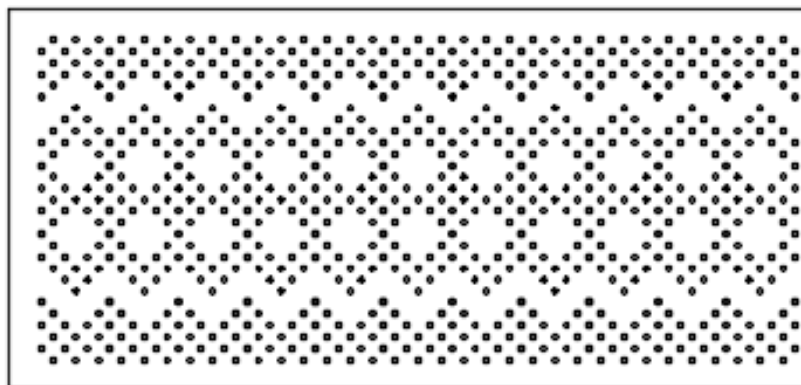
Visual Appearance



30 mm



50 mm



70 mm

IMPORTANT NOTE

All ORAFOL products are subject to careful quality control throughout the entire manufacturing process, and it is ensured that they are of merchantable quality and free from manufacturing defects. The information published is based on our analyses and studies and does not constitute any warranted properties or any agreement as to quality. Due to the diverse possibilities of use of ORAFOL products and the constant development of new applications, the buyer should carefully consider the suitability and performance of the product for the respective purpose; it bears all risks associated with such use. No warranty is given for purposes other than those listed in the Technical Data Sheet or for applications that are not processed in accordance with ORAFOL's processing instructions.

The durability of the end product depends upon a variety of factors, including but not limited to substrate selection and preparation, compliance with the recommended application guidelines, geographical area, exposure conditions and maintenance of the ORAFOL material and of the end product. Product defects caused by the substrate or improper surface preparation do not lie within ORAFOL's sphere of responsibility.

When using ORAFOL products, the pertinent national regulations are to be observed. ORAFOL recommends that you obtain the current stipulations from your local authority and ensure that the product meets these requirements. Please contact ORAFOL for further information.

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