

## 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

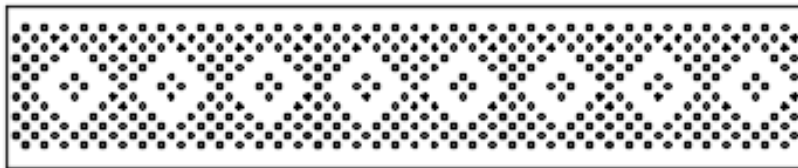
The product must be used within one year from the shipment date. All rolls including partially used rolls should be stored in original packaging, tightly wound. Store in a clean and dry area, away from direct sunlight. Store at 20° C and 50% relative humidity.

**Table 1 – Retroreflectivity**

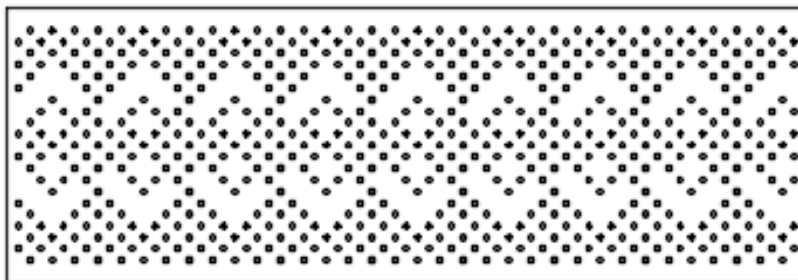
Observation Angle	Entrance Angle ( $\beta_1, \beta_2=0$ )			
	5°	20°	30°	40°
0,20° (12')	330	290	180	65
0,33° (20')	250	200	170	60
1,00° (1°)	25	15	12	10
1,50° (1°30')	10	7	5	4

All values have units of cd/lux/m<sup>2</sup>.

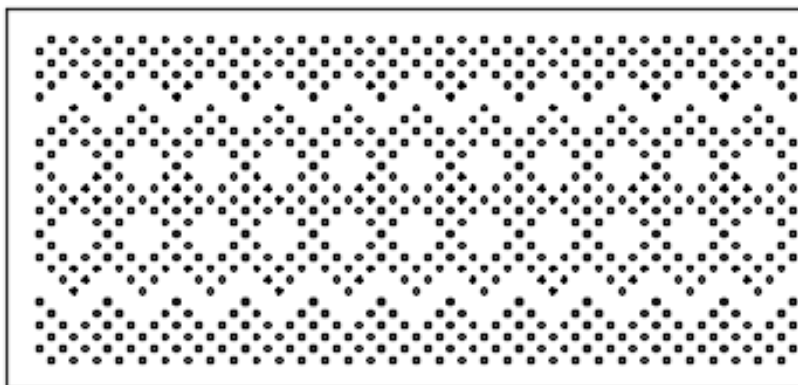
## Visual Appearance



30 mm



50 mm



70 mm

## 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.

ORALITE® is a registered trademark of ORAFOL Europe GmbH.