

Description

ORALITE® GP 095P 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 application to firefighter garments and flame resistant work wear where arc and heat resistance are required and is suited for use in industrial wash applications. ORALITE® GP 095P exceeds the minimum photometric requirements of EN ISO 20471:2013 and ANSI/ISEA 107-2015.

The back of the tape is printed with the ORAFOL® logo and product name to provide easy product verification of the highest level of quality and specification compliance.

Product Construction

ORALITE® GP 095P is composed of wide-angle, exposed retroreflective lenses bonded to a 100% aramid fabric backing.

Product Approvals

- EN ISO 20471:2013 Separate Performance
- ANSI/ISEA 107-2015,
- EN 469:2005
- EN ISO 11611:2015 – Protective clothing for use in welding and allied processes
- EN ISO 11612:2015 – Clothing to protect against heat and flame
- EN ISO 14116:2015 – Clothing to protect against heat and flame. Limited flame spread materials, material assemblies and clothing.

Colour

ORALITE® GP 095P is available in silver (daytime appearance) with a white reflected colour.

Retroreflectivity

ORALITE® GP 095P complies with the minimum reflectivity requirements of EN ISO 20471:2013 separate performance 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 095P meets the requirements of EN 469:2005 Clause 6.1 and EN ISO 14116:2015 Clause 6.1 Index 3 when tested in accordance with ISO 15025 Method A in new condition, and also after 50 wash cycles according to ISO 6330:2012 Method 6N (60° C) and 25 wash cycles according to ISO 6330:2012 Method 9N (92° C). The tape has the following marking designation in accordance with EN ISO 14116:2015 Clause 8: 3/5H/60; 3/50H/60; 3/25H/92C, 3/50I/75C;

Thermal Resistance

ORALITE® GP 095P exceeds the photometric requirements of EN ISO 20471:2013 after convective heat exposure at 180° C for 5 minutes when new (EN 469:2005 Annex B.3.1) and also exceeds the photometric requirements after 50 wash cycles (according to ISO 6330:2012 Method 6N) and convective heat exposure at 180° C for 5 minutes.

Sizes

ORALITE® GP 095P is available in the following widths – 30 mm, 50 mm or 70 mm.

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

Machine Washing

ORALITE® GP 095P will meet the minimum photometric requirements of EN ISO 20471:2013 when attached to a variety of background materials and when washed in accordance with the following:

- | | | | |
|---|----------------|------------|----------------------|
| - | ISO 6330:2012 | Method 6N | 50 washings at 60° C |
| - | ISO 6330:2012 | Method 9N | 25 washings at 92° C |
| - | ISO 15797:2017 | Method 1.2 | 50 washings at 75° C |
| - | ISO 15797:2017 | Method 4.2 | 50 washings at 75° C |



Application Instructions

ORALITE® GP 095P 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 3 mm from the edge of the garment tape using a flame retardant thread. Please contact ORAFOL for full care and application instructions.

Shelf Life

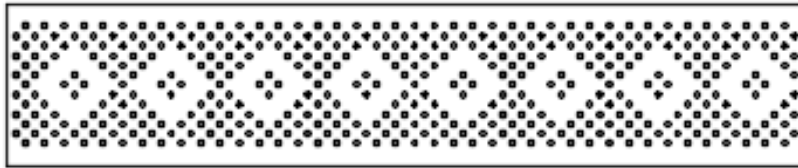
The product must be used within one year from the shipment date. All rolls including partially used rolls should be stored in original packaging, tightly wound. Store in a clean and dry area, away from direct sunlight. Store at 20° C and 50% relative humidity.

Table 1
Retroreflectivity

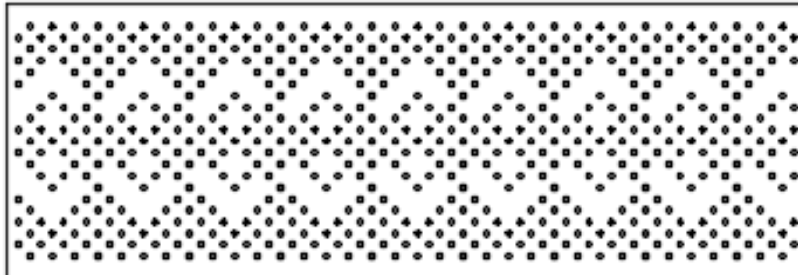
Observation Angle	Entrance Angle ($\beta_1, \beta_2=0$)			
	5°	20°	30°	40°
0,20°	330	290	180	65
0,33°	250	200	170	60
1,00°	25	15	12	10
1,50°	10	7	5	4

All values have units of cd/lux/m².

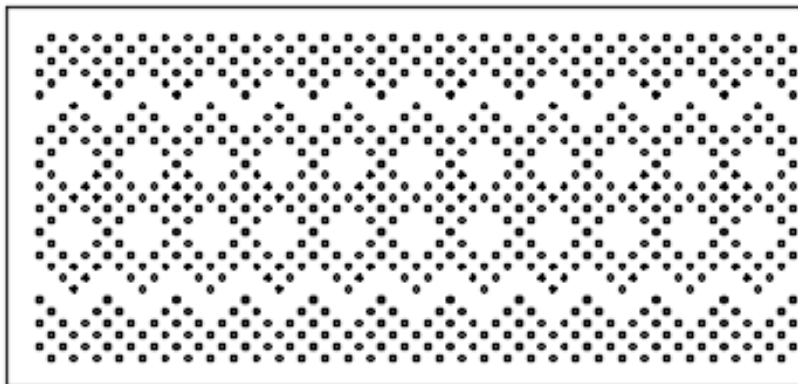
Visual Appearance



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.

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