

Description

ORALITE® GP 020 is a glass bead garment tape for sew-on applications. The tape is ideal for all standard common high visibility work wear garments. ORALITE® GP 020 exceeds the minimum reflectivity requirements of EN ISO 20471:2013.

Product Construction

ORALITE® GP 020 is composed of wide-angle, exposed retroreflective lenses bonded to a sewable fabric backing (65% polyester, 35% cotton).

Product Approvals

EN ISO 20471:2013 Separate Performance

Colour

ORALITE® GP 020 is available in silver (daytime appearance) with a white reflected colour.

Retroreflectivity

ORALITE® GP 020 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. Typical coefficients of retroreflection are shown in Table 1.

Machine Washing

ISO 6330:2012, Method 6N – 50 washes at 60°C .

Dry Cleaning

ISO 3175:2010, Method 9.1 – 25 cycles.

Application Instructions

ORALITE® GP 020 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°
$0,20^\circ (12')$	450	290	180	65
$0,33^\circ (20')$	250	200	170	60
$1,00^\circ (1^\circ)$	25	15	12	10
$1,50^\circ (1^\circ 30')$	10	7	5	4

All values have units of cd/lux/m^2 .

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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