

Description

ORALITE® GP 092 Segmented is a soft, flexible glass bead microsphere reflective garment tape, designed for heat application in industrial wash applications. ORALITE® GP 092 Segmented exceeds the minimum photometric requirements of EN ISO 20471:2013.

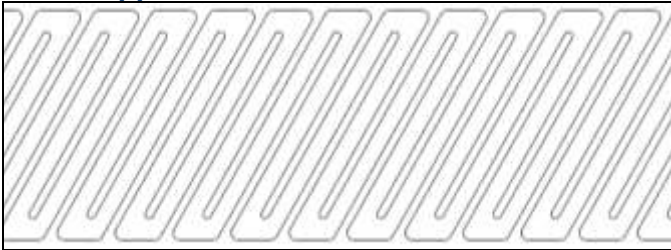
Product Construction

ORALITE® GP 092 Segmented is composed of wide-angle, exposed retroreflective lenses bonded to a heat activated polyurethane adhesive. The product is provided with a protective liner on the reflective side only that facilitates transfer of the tape to the fabric.

Product Approvals

EN ISO 20471:2013 Separate Performance

Visual Appearance



Colour

ORALITE® GP 092 Segmented is available in silver (daytime appearance) with a white reflected colour.

Retroreflectivity

ORALITE® GP 092 Segmented exceeds the minimum reflectivity requirements of EN ISO 20471:2013 separate performance, when tested at $e = 0^\circ$ or $e = 90^\circ$ in accordance with the procedures in EN ISO 20471:2013. Typical coefficients of retroreflection are shown in Table 1.

Care Instructions

Machine Washing

ORALITE® GP 092 Segmented 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:

- GUV-R 2106:2005 50 washings at 60° C
- ISO 15797:2002 Method 8 50 washings at 75° C (Tumble dry)
- ISO 15797:2002 Method 8 50 washings at 75° C (Tunnel dry)

Dry Cleaning

Certified in accordance with ISO 3175-2:2010
Normal Cycle – 25 cycles.



Application Instructions

ORALITE® GP 092 Segmented 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 six months 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.

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