

Description

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

Product Construction

ORALITE® GP 092 is composed of wide-angle, exposed retroreflective lenses bonded to a heat activated polyurethane adhesive. The adhesive is protected by a plastic liner.

Product Approvals

EN ISO 20471:2013 Separate Performance

Colour

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

Retroreflectivity

ORALITE® GP 092 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

When attached to a variety of background materials, ORALITE® GP 092 will withstand a minimum of 50 cycles when washed in accordance with ISO 15797:2002 Method 8 at 75°C and dried in a tumble dryer at 90°C or in a tunnel dryer at 155°C .

Application Instructions

ORALITE® GP 092 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°
$0,20^\circ (12')$	330	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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