

## 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° (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>.

## IMPORTANT NOTE

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