

Description

ORALITE® GP 801 is a tough weather and solvent resistant tape designed to be sewn on to high visibility garments. The reflectivity exceeds the highest performance level of EN ISO 20471:2013.

Product Construction

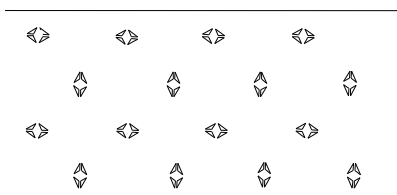
ORALITE® GP 801 is composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilised polymeric film. The prism surfaces are metallised to provide a mirror surface to the prism facets. The product comes with a fabric backing to facilitate sewing.

Product Approvals

EN ISO 20471:2013 Separate Performance

Test certificates for garment CE mark acquisition are available upon request

Film Logo Pattern



Colour

ORALITE® GP 801 is available in silver. ORALITE® GP 801 tape conforms to the colour requirements in Table 2 when measured in accordance with CIE Publication No. 15.2. The four pairs of coordinates determine the acceptable colour when measured with standard illuminant D65 using a Hunter LabScan.

Retroreflectivity

ORALITE® GP 801 tapes comply with the minimum reflectivity requirements of EN ISO 20471:2013 separate performance, when tested in accordance with the procedures in EN ISO 20471:2013. *Typical* coefficients of retroreflection for ORALITE® GP 801 are provided in Table 1.

Care Instructions



Dry Cleaning

Do not dry clean.

Machine Washing

ISO 6330:2012; Method 6N - 100 washings at 60° C

Application Instructions

Please contact ORAFOL for full 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°	1000	700	500	250
0,33°	500	400	300	200
1,00°	35	33	30	20
1,50°	10	10	10	8

All values have units of cd/lux/m².

Table 2
Colour Specification Limits

Colour	Chromaticity Coordinates*							
	1		2		3		4	
	x	y	x	y	x	y	x	y
15 Silver	0,303	0,300	0,368	0,366	0,340	0,393	0,274	0,329

* The four pairs of chromaticity coordinates determine the acceptable chromaticity on the CIE diagram.

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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