



TC REFLECTIVE FABRIC D1001

Item Code: D1001

Color: Gray

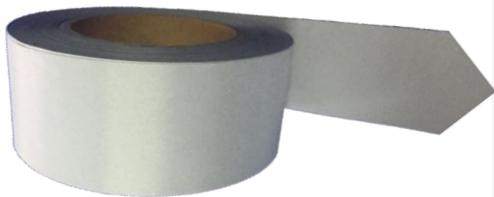
Fabric Backing: 100% TC

Thickness: 210 μ ±5 μ

Weight: 280±10GSM

Standard Size: 1cm x 50m, 5cm x 100m, 2.5cm x 100m

Composition: 26% glass beads, 26% Resin, 43% backing fabric, 5% others.



RETRO-REFLECTIVE PERFORMANCE

Minimum Initial coefficient of retro-reflection in cd/lux·m² and testing results by TUV, SATRA or CALCOAST

Entrance angle \ Observation angle	5°		20°		30°		40°	
	Class II	Results						
12'	375	381	307	361	373	378	293	355
20'	281	286	237	271	280	283	229	267
1°	27.8	28	26.8	28.2	28.0	28.5	25.7	28
1°30'	19.5	20	17.5	19.8	19.2	21	16.4	19.6

Retro-reflective performance after test exposure

Coefficient(cd/lux·m ²)	Standard Requires : cd/lux·m ²
After Abrasion	428 ANSI/ISEA107-2010 9.4.1; EN530:1995 Method 2(wool Abrade / 5000cycles / 9kpa)
After flexing	427 ANSI/ISEA107-2010 9.4.2; ISO 7854: 1997 Method A(7500Cycles)
After folding at cold temperature	421 ANSI/ISEA 107-2010 9.4.3; ISO 4675:1990(-20°C)
After temperature variation	439 ANSI/ISEA 107-2010 9.4.4 12 Hours, 50°C/20 Hours, -30°C/ Minimum 2 Hours, 20°C
After washing	370 ANSI/ISEA 107-2010 9.4.5.2 ISO 6330 Method 2A (25cycles)
After dry cleaning	285 ANSI/ISEA 107-2010 9.4.5.3 ISO 3175:1998 Method 9.1 (5cycles)



Certificates	Certificate Specifications
OEKO-Tex standard 100	Class II (Articles within direct contact to skin)
UL	NFPA 2112
EN ISO 20471	Class II
ANSI/ISEA 107	CLASS I & CLASS II

DOMESTIC WASHING

Washer:	Standard House washing machine
Temperature:	40-60°C
Detergent:	Neutral detergent (PH : 7)
Ironing:	Not recommended
Bleaching:	Not recommended

INDUSTRIAL WASH

Industrial wash:	Max temperature 75 °C
Tunnel Drying:	Tunnel input temperature should not exceed 100°C
Tumble dry:	Max exhaust temperature should not exceed 90°C
Ironing:	Not Recommended

APPLICATION INSTRUCTIONS (Important)

Sewing on:	About 2mm should be left between sewing line and edge. Less than 5 stitches per centimeter Recommend to use 100% polyester thread
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STORAGE:

Store in a cool place free of moisture, dry area and use within 1 year of receipt. Rolls should be stored in their original cartons, whilst partially used rolls should be returned to their carton. The retro-reflective performance of all reflective materials is affected by soiling. Any kind of dirt, such as liquid chemicals, greases and alike will reduce brightness in the area of contamination. For specific guidance contact your DM representative