



## TC REFLECTIVE FABRIC D1001

**Item Code:** D1001

**Color:** Gray

**Fabric Backing:** 100% TC

**Thickness:** 210 $\mu$ ±5 $\mu$

**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·m<sup>2</sup> and testing results by TUV, SATRA or CALCOAST

Entrance angle Observation angle	5°		20°		30°		40°	
	Class II	Results	Class II	Results	Class II	Results	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 <sup>2</sup> )		Standard Requires : cd/lux·m <sup>2</sup>
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

## 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

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