


Item Code: D1903

Color: Silver

Fabric Backing: 100% cotton

Thickness: 470 μ ±15 μ
Weight: 530±15GSM

Standard Size: 130cm x 50m, 5cm x 100m, 3.8cm 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'	330	482	290	480	180	404	65	244
20'	250	281	200	274	170	252	60	185
1°	25	55	15	61	12	61	10	27
1°30'	10	11.8	7	10.5	5	12.5	4	16

Retro-reflective performance after test exposure

Coefficient(cd/lux·m ²)		Standard Requires : cd/lux·m ²
After Abrasion	395	ANSI/ISEA107-2010 9.4.1; EN530:1995 Method 2(wool Abrade / 5000cycles / 9kpa)
After flexing	390	ANSI/ISEA107-2010 9.4.2; ISO 7854: 1997 Method A(7500Cycles)
After folding at cold temperature	408	ANSI/ISEA 107-2010 9.4.3; ISO 4675:1990(-20°C)
After temperature variation	403	ANSI/ISEA 107-2010 9.4.4 12 Hours, 50°C/20 Hours, -30°C/ Minimum 2 Hours, 20°C
After industrial washing	108	ANSI/ISEA 107-2010 9.4.5.2 ISO 15797
After dry cleaning	140	ANSI/ISEA 107-2010 9.4.5.3 ISO 3175:1998 Method 9.1



Certificates	Certificate Specifications
OEKO-Tex standard 100	Class II (Articles within direct contact to skin)
EN ISO 20471	Class II
ANSI/ISEA 107-2010	CLASS I &CLASS II
NFPA	NFPA 2112

DOMESTIC WASHING

Washer: Standard House washing machine
 Temperature: 40-60°C
 Detergent: Neutral detergent (PH : 7)
 Ironing: Not recommended. If needed, Medium iron but not steam.
 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. If needed, Medium iron but not steam.

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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