



GRAY HEAT TRANSFER REFLECTIVE FILM D4301



Item Code: D4301

Color: Silver

Fabric Backing: polyester

Thickness: 170 μ ±10 μ

Weight: 430±10 g/m²

Standard Size: 130cm x 50m, 50cm x 100m, other size.

Composition: 44% glass beads, 25% Resin, 21% polyester, 10% 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	Class II	Results	Class II	Results	Class II	Results
12'	330	500	290	450	180	400	65	390
20'	250	325	200	322	170	328	60	300
1°	25	55	15	54	12	46	10	40
1°30'	10	43	7	36	5	35	4	29

Retro-reflective performance after test exposure

Coefficient(cd/lux·m ²)		Standard Requires : cd/lux·m ²
After Abrasion	403	ANSI/ISEA107-2010 9.4.1; EN530:1995 Method 2(wool Abrade / 5000cycles / 9kpa)
After flexing	401	ANSI/ISEA107-2010 9.4.2; ISO 7854: 1997 Method A(7500Cycles)
After folding at cold temperature	382	ANSI/ISEA 107-2010 9.4.3; ISO 4675:1990(-20°C)
After temperature variation	359	ANSI/ISEA 107-2010 9.4.4 12 Hours, 50°C/20 Hours, -30°C/ Minimum 2 Hours, 20°C
After washing	340	ANSI/ISEA 107-2010 9.4.5.2 ISO 6330 Method 2A—25 cycles
After dry cleaning	378	ANSI/ISEA 107-2010 9.4.5.3 ISO 3175:1998 Method 9.1—5 cycles



Certificates	Certificate Specifications
OEKO-Tex standard 100	Class I (Articles within direct contact to skin)
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: Not recommended
 Tunnel Drying: Not recommended
 Tumble dry: Not recommended
 Ironing: Not Recommended

APPLICATION INSTRUCTIONS (Important)

1. Heat Machine to 130~150°C depending on the fabric you should print on
2. Remove plastic layer under adhesive side, place the heat transfer film on the fabric (substrate) adhesive side down.
3. Apply heat and pressure under about 3kgs weight for 3~5 seconds. Remove the plastic layer on the reflective surface after cold. If necessary, pls heat press the film again after removing the plastic layer.

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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