TX-1730-NM2O Flame Resistant Fabric

DESCRIPTION

The reflective part of XiangXi TX-1730-NM2O flame retardant fabric red-silver-red is composed of wide angle exposed micro-glass beads integrally centered on a fluorescent background color and bonded with a special polymer to a flame resistant durable aramid backing. The fluorescent red contrasting part helps to make the material highly visible in daytime.

REFLECTIVE PERFORMANCE

The reflective coefficient (R, in cd/lux/m^2) of TX-1730-NM2O can meet the requirements in international standards like EN ISO 20471, ANSI/ISEA 107, CSA-Z96-15, AS/NZS 1906.

Observation Angle	Entrance Angle	MinimumReflectivity	Typical Reflectivity
5°	12'	330	>420

WASH PERFORMANCE

Product No.	Home Wash Cycles[1]	DryCleaningCycles[2]
TX-1730-NM2O	>50	>50

[1] ISO 6330 Method 2A at 60 °C (140 °F) and R $\geqslant_A$ 100 cd/lux/m^2 (home wash)

[2] ISO 3175 Method 8.1 and $R_A \geqslant$ 100 cd/lux/m^2

COLOR

Product No.	Daytime Color
TX-1730-NM2O	Red-Silver-Red

RHYSICAL PERFORMANCE

After the following each exposure testing, TX-1730-NM2O R_A values are above 100 cd/lux/m^2 at +5.0° entrance angle and 0.2° observation angle.

Physical Performance	Test Method
Abrasion	EN 530 Method 2, 5000 cycles
Flexing	ISO 7854 Method A, 7500 cycles
Cold Fold	ISO 4675, -20°C (-4°F)
Temperature Cycle	12 hours @ 50°C (122°F); 20 hours @ -30°C (-22°F)
Wash	ISO 6330 Method 2A @ 60°C (140°F) number of cycles listed
Dry-Clean	ISO 3175 Method 9.1 number of cycles listed
Wet Reflectivity	ANSI 107-2015 Appendix A; EN 20471:2013 Annex C
Flame Resistance	ASTM D6413 char length ≤ 4 inches; after flame <2 seconds

CERTIFICATION

TX-1730-NM2O flame resistant reflective fabric meet the requirements in below listed standards for high visibility garments.

Product No.	EN ISO 20471 ANSI/ISEA 107 CSA-Z96-15 AS/NZS 1906	EN469 EN ISO 14116 EN ISO 11612 NFPA 701 ASTM F1506
CSR 1303-NM2O	√	√

APPLICATION INSTRUCTIONS

Cutting: Die-cutting is recommended, although it can also be hand-cut or guillotined.

Sewing: Sew in place using a lockstitch with no more than 12 stitches per inch (2.54 cm), and not less than 5/64" (2 mm)from the edge of the reflective fabric. For best results, apply to light and medium weight fabrics.

Printing: Inks can be printed on the surface of XiangXi reflective fabrics. Before printing, all inks shall be tested to ensure acceptable adhesion. Wipe the surface lightly with a soft cloth dampened with isopropyl alcohol may help ink adhesion.

CARE AND MAINTENANCE INSTRUCTIONS

Actual life of TX-1730-NM2O fabric trim depends on cleaning method and wear conditions.

Do not presoak
Machine wash warm,
60℃（150℉）

Tumble
dry low

Cool iron,Do
not exceed
150℃（300℉）

Do not bleach

Some suggestions for extending the life of reflective fabric on safety clothing:
1. When do machine wash, you may use a mild detergent, but No Bleach or Fabric Softener!
2. Try to avoid wash the reflective products with your work jeans or any clothing with rough fabric or edges. The microscopic glass beads on the reflective fabric can be worn off by rough texture.
3. Try to line dry your reflective products. If you choose to machine dry, try to remove the product immediately. The added heat can damage the reflective fabric.

HANDLING PRECAUTIONS

Most of our reflective fabric contains aluminum layer, and sweat /oil/ water stains may occur if the surface of the product has direct contact with hands during application and is then exposed to hot and humid conditions. Even though these blemishes won't affect performance of the product, we strongly recommend handling the reflective fabric with gloves and keeping them in the environment of below
26.7 °C (80 °F) and lowering than 70% relative humidity.