CHINASTARS
REFLECTIVE MATERIAL

TECHNICAL DATA SHEET

BE SEEN, BE SAFER

SOFT REFLECTIVE FABRIC CSR-H005

DESCRIPTION

Chinastars soft reflective fabric CSR-H005 is composed of wide angle exposed retro reflective glass beads bonded to a polyester chiffon cloth backing. It helps enhance the visibility of wearer at nighttime when illuminated by a light source. CSR-H005 is soft draping, wrinkle resistant and light-weighted, ideal for using as outer shell fabric for active wear, where soft hand feeling is highly required.

SPECIFICATION

Fabric Backing	Composition	Daytime Color	Weight	Width	Reflectivity[1]	Home Wash cycles[2]
Polyester chiffon	Base fabric=31% Bonding resin=24% Glass beads=45%	Silver Grey	205±15g/m²	140cm	R>250	>15cycles

[1] Measured on new product at +5.0° entrance and 0.2° observation angles.
[2] ISO 6330 Method 2A at 60 °C (140 °F) and RA ⩾ 100 cd/lux/m² (home wash)

CARE AND MAINTENANCE INSTRUCTIONS

Actual life of reflective pattern printing fabric depends on cleaning method and wear conditions.

Do not presoak
Machine wash warm, 40℃（105℉）

Tumble dry low

Cool iron,Do not exceed 120℃(248℉)

Do not bleach

Do not dry-clean

Some suggestions for extending the life of reflective fabric:
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

1. Our reflective fabric is composed of aluminum coated micro-glass beads. The aluminum layer is easily damaged in acid, alkali or humid environment which on one hand will influence the retro reflective performance of our reflective fabric, and on the other hand will cause possible color difference and expose the base fabric.
Do not drip or wipe the surface of reflective fabric with acid or alkali. Avoid soak in acid or alkaline solutions for long time.

2. Store in a cool, dry and ventilated place below 26.7 °C (80 °F) and lowering than 70% relative humidity..

3. Try to avoid using water-cooled air conditioner in manufacturing process.

4. We strongly recommend all workers wear gloves during garment manufacturing, to avoid possible blemishes caused by sweat. Meanwhile, try to avoid direct contact with machine oil or other corrosive liquids.

5. If possible, try to replace the metal machine presser with plastic one to reduce friction on reflective surface in sewing process.

6. Try to slow down when sewing on thicker part to avoid possible abrasion on the surface of reflective fabric.

7. Reflective fabric shall be handled with care during production and try to avoid abrasion with sharp objects.

8. Finished reflective products are recommended to be dried or dehumidified before packing.

9. Reflective fabric sewed on garment scuff or edge of zipper is susceptible to friction and easy to wear.

10. Before sewing, try to pinpoint the sewing line, and avoid sewing and removing repeatedly. Otherwise, the obvious pinhole might affect the garment appearance.

CHINASTARS

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