

DATA SHEET



FLAME RETARDANT



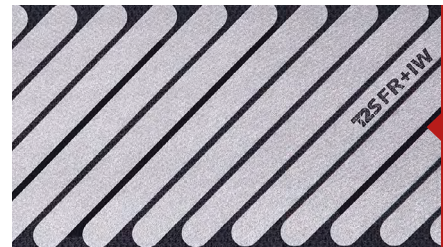
HEAT TRANSFER APPLICATION

RETHIOTEX® 26 500-01 is a segmented heat transfer reflective tape, ideal for flame retardant breathable mesh garments rented and industrially washed.

This segmented reflective heat-transfer film combines performance, comfort and breathability.

It preserves your PPE's waterproofness thanks to a seamless heat-transfer.

RETHIOTEX® 26 500-01 is conform to the ISO 20 471 standard (2013) + A1 (2016) after 50 industrial washing cycles at 75°C and 50 homewashing cycles at 60°C.



COMPOSITION

- Wide-angle reflective glassbeads: high and maintained retroreflection regardless the orientation.
- The whole, glassbeads + resin, is coated with a melt-adhesive solution which enables a simple and efficient sticking on many supports such as coated, knitted or weaved fabrics on which it's important to check and confirm the applications and care instructions to ensure an optimal adhesion.



COLOUR AND WEIGHT

- The tape is silver-grey during the day and reflects a white colour in the night.



RETHIOTEX® 26 500-01
reflective material only:
260 g/sqm +/- 10 g



USE

- Cutting:** scissors, press, paper cutter.



CONFORMITY

- High visibility: EN ISO 20 471 (2013) + A1 (2016)**
 - After 50 homewashing cycles at 60°C – (ISO 6330: 2012). Washing method: 6N – Drying method: F.
 - After 50 industrial washing cycles at 75°C + tunnel drying at 160°C (ISO 15797: 2018 method 8B).
- Flame retardant properties: EN ISO 14116 (2015), EN 469 (2020), EN ISO 11611 (2015), EN ISO 11612 (2015)**
 - After 50 homewashing cycles at 60°C – (ISO 6330: 2012). Washing method: 6N – Drying method: F.
 - After 50 industrial washing cycles at 75°C + tunnel drying at 160°C (ISO 15797: 2018 method 8B).



COEFFICIENT OF RETROREFLEXION

Table 4 of the EN ISO 20471 (2013) + A1 (2016) – Test report AITEX 2022EP0731.

Entrance angle \ Observation angle	5° Mini EN ISO 20471	20° Mini EN ISO 20471	30° Mini EN ISO 20471	40° Mini EN ISO 20471
12°	470 330	475 290	465 180	394 65
20°	307 250	301 200	285 170	271 60
1°	29 25	35 15	43 12	38 10
1°30'	11 10	8 7	11 5	13 4

Values above are non-contractual.

Coefficient of Retroreflection $cd / (lx.m^2)$



HEAT-TRANSFER

SEE APPLICATION CONDITIONS

- When two or several batches or heat-transfer film rolls are used on the same surface, it is important to check that the colour and the outward appearance are alike to ensure a similar colour and reflection during both day and night.
- Before any heat-transfer production, check all the parameters related to materials to heat-transfer, which influence adhesion such as the weave, the roughness, the water-repellent treatment, the seam, the extra-thickness...
- Preheat the press or the heat-transfer tunnel.
- Be careful to textiles containing nylon and polythene. Also check if it is coated with silicone or fluor. These surface elements may cause important decreases concerning the RETHIOTEX® 26 500-01 heat transfer film's adhesion or even incompatibilities.**
- T2S does not guarantee the good adhesion of the transfer film on a flame retardant treated surface. This is due to the instability and irregularity of the flame retardant finishes used on these fabrics, as well as to the evolving of chemical treatments due to changes in REACH.
- Before any industrial production, ensure that tests have been made to validate the optimal heat-transfer conditions. We recommend you to also realize washing tests, folding and abrasion to control the good adhesion.



PRESERVATION

- Store the fabric rolls in a dark and cool place and use them in the year following their reception. The rolls have to be stored in their original boxes.



CARE

- The user of the RETHIOTEX® 26 500-01 reflective tape shall read the item's maintenance guide and ensure these instructions are respected for an optimal product's lifespan.



WARNING

- Our instructions are made according to precise and reliable criteria; however, given the diversity of the RETHIOTEX® product's applications, the buyer has to ensure the compatibility of the RETHIOTEX® product with the final project (manufacturing, design, environment in which it will be used...).
- Each certification can be modified from time to time.

For more information, feel free to contact us.



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