

DATA SHEET



DOMESTIC WASHING



HEAT TRANSFER
APPLICATION

RETHIOTEX® 26 400 is a reflective heat-transfer film ideal for high visibility PPE, accessories, and leisure garments, it combines comfort and safety.

It can be easily placed on elastic supports and textiles used on sport equipment.

RETHIOTEX® 26 400 is conform to the EN ISO 20471 standard: 2013 after 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 (PU, PU/PVC, PVC...), weaved (polyester, polyester/cotton...) or knitted fabrics.



COLOUR

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



USE

- Cutting:** scissors, press, paper cutter, laser.
- We can cut the exact needed width from 1 cm.



CONFORMITY



- High visibility: EN ISO 20 471: 2013 + A1: 2016**
 - After 50 homewashing cycles at 60°C – (ISO 6330: 2012). Washing method: 2A.
 - After 50 dry cleaning cycles (EN ISO 3175-2 : 2018).
- Conform to the Oeko-Tex standard, class 2**



COEFFICIENT OF RETROREFLEXION

Table 4 of the EN ISO 20471: 2013 + A1: 2016 – Test report LEITAT IN-00216/2019-E-1.

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°	546,5 330	580,1 290	630,6 180	656,3 65
20°	397,8 250	420 200	449,9 170	481,5 60
1°	28,7 25	31,5 15	38,1 12	29,1 10
1°30'	30,4 10	29,5 7	32,3 5	25 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® 26 400 heat transfer film's adhesion or even incompatibilities.
- 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.

The RETHIOTEX® 26 400 is always presented with 2 protective cover papers:

- A protective plastic for glassbeads: Top Film. It has to be removed after the heat-transfer and the complete cooling on a flat surface.
- A protective plastic for thermo-adhesive mass: back Liner, thin and translucent. It has to be removed before the heattransfer and the positioning.



PRESERVATION



CARE

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

- The user of the RETHIOTEX® 26 400 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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