

DATA SHEET



DOMESTIC WASHING



SEW-ON APPLICATION

RETHIOTEX® 29 250 is a reflective tape to sew, ideal for all type of garments: high visibility PPE , leisure clothes...

For an optimal identification of your high visibility PPE and items, our reflective tape RETHIOTEX® 29 250 is printed on the back and allows better traceability of your PPE.

RETHIOTEX® 29 250 is conform to the EN ISO 20471 (2013) + A1 (2016) after 50 homewashing cycles at 60°C.



COMPOSITION

- Wide-angle reflective glassbeads: high and maintained retroreflection regardless the orientation.
- Substrate: 35% cotton- 65% polyester.



COLOUR AND WEIGHT

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


RETHIOTEX® 29 250:
 350 g/sqm +/- 15 g



USE

- Cutting:** scissors, press, paper cutter.
- 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 – homewashing (ISO 6330: 2012). Washing method: 6N.
 - After 25 dry cleaning cycles – ISO 3175-2.
- Conform to the Oeko-Tex® standard, class 2**





COEFFICIENT OF RETROREFLEXION

Table 4 of the EN ISO 20471 (2013) + A1 (2016) – Test report SPC0237665a/1534/2.

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°	418 330	425 290	421 180	312 65
20°	279 250	282 200	283 170	240 60
1°	31 25	32 15	27 12	17 10
1°30'	14 10	12 7	13 5	14 4

Values above are non-contractual.

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



SEW

- When two or several batches or fabric 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.
- To sew the RETHIOTEX® 29 250 fabric on any textile support, use a needle with rounded ends and sew at 2 mm from the edge, with around 4 points. We recommend the use of a 100% polyester thread.



SILK-PRINTING

- It is very easy to silk-print the RETHIOTEX® 29 250 fabric with bi-component opaque or transparent inks made from polyester.
- Given screens and drying methods implemented, we advise you to realise holding tests of inks before each production and modification of parameters.
- The ink adhesion can be easily checked by making some successive washing or a few grid patterns.

WARNING: Silk-printing involves a very important reduction of the power of reflection in concealed places.



PRESERVATION

- 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.



CARE

- The user of the RETHIOTEX® 29 250 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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