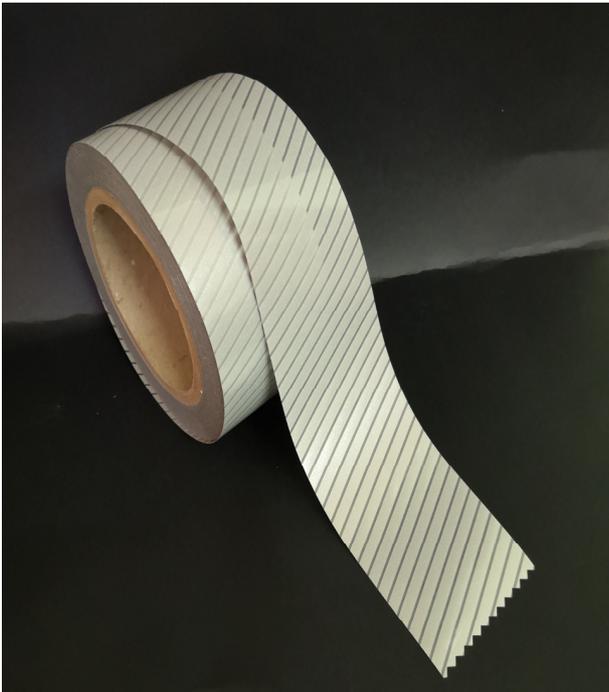


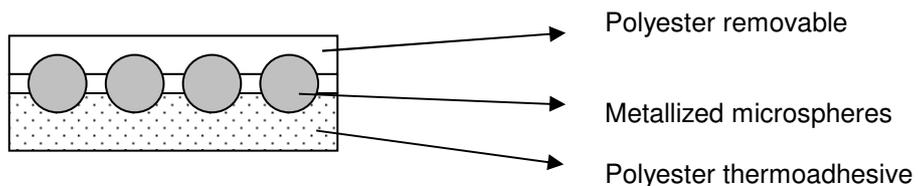
GENERAL CHARACTERISTICS



The product basically consists of segmented metallised microspheres, partially incorporated in a removable polyester (front layer) and permanently bonded to a thermoadhesive **flame retardant** (backing layer). The thermoadhesive polyester base provide excellent adhesion to the most common type of fabric, RETROLUX TT 600 KISS CUT is a reflective thermotransfer designed for:

- offer a high resistance of the garment to repeated industrial washings
- flame retardant garment
- improve the breathability of the finished garment
- keeping the elasticity of the fabric on which it is applied
- offer greater comfort on light clothing (polo shirts, T-shirts, etc.)
- provide a more fashionable look to the garment

PRODUCT SCHEME



Total thickness:	230-250 Micron
Reflective layer thickness:	150-165 Micron
Front layer:	Polyester
Back layer:	co-Polyester FR

REFLECTIVITY:

RETROLUX TT 600 KISS-CUT satisfies all the minimum requirements accordingly EN 20471

PHYSICAL PERFORMANCE

RETROLUX TT 600 KISS-CUT meet or exceed the minimum reflective values after the following test:

1. Flexing (ISO 7854/A 7500 cycles)
2. Cold Fold (ISO 4675 -20 °C)
3. Abrasion (UNI 530/2 5000 cycles)
4. Temperature variance (12 hours at 50 °C, 20 hours at -30 °C)
5. Rainfall test (Annex A,)

FLAME RESISTANCE PROPERTIES

RETROLUX TT 600 KISS-CUT satisfies the following requirements:

EN 14116;2008, EN 11612:2009, EN 15614:2007

Limited flame spread (test method EN 15025):
Index 3 before and after 60 washing cycles at 60 °C

EN 11612:2009, EN 15614:2007

Heat resistance at 180 °C before and after 60 washing cycles at 60 °C

WASHING PERFORMANCES

RETROLUX TT 600 KISS-CUT exceed the minimum reflective values after:

50 Industrial washing cycles with pH 11 detergents (method 8- Norm ISO 15797)

60 cycles at 60 °C (ISO 6330)

60 cycles of dry cleaning (ISO 3175-method 9.1)

Wash guideline



Minimum temperature: 30 °C

Minimum temperature: 75 °C

Detergent: Use only **ECE type A** without perborates



- Optical brightness, perborates or additional bleaches, **reduces washing performances of Retrolux TT 600 KISS-CUT**
- **Do not use** organic solvents, chlorine bleaches and alkaline products (pH>8).
- **Do not exceed** 95°C during wash
- **Do not exceed** 120°C during drying

Drying Conditions

- **Air drying is recommended**
- **TUMBLE DRY: NOT EXCEED 90 °C**
- **TUNNEL DRY: 100 °C is recommended, not exceed 120 °C.**

Dry cleaning



Use pure Perchloroethylene

ELECTROSTATIC PROPERTIES (Reference Standard EN 1149-5):

Retrolux TT 600 KISS CUT reflective segmented transfer has electrostatic charge dissipation properties in compliance with EN 1149-5: 2018.
Test Method EN 1149-3 method 2 (charge induction).

The product passes the test both new and after washing

ADDITIONAL INFORMATION

The material is supplied in rolls of 50 linear meters length and in all widths from 1 cm till 1 meter.
The cut tolerance is ± 1.5 mm.

IRONING:

Use cool IRON (110 °C)



NOTICE TO USERS

APPLICATION

RETROLUX SUPER TT 600 KISS CUT HAVE GOOD ADHESION TO VARIOUS TYPES OF SUBSTRATES SUCH AS POLYESTER, COTTON, RUBBER, PVC, LEATHER ETC. WATER REPELLENT OR WATERPROOF FINISHES ON THE SUBSTRATE MAY REDUCE THE THERMAL BONDING STRENGTH.

CONDITIONS OF APPLICATION

TEMPERATURE: 155 - 160°C

HEATING TIME: 12 – 15 seconds

NOTES:

The parameters stated above are obtained from internal tests performed on some common types of substrates (polyester/cotton).

The pressure to be used and the heating time are **strictly dependant on the type of plant used and the substrate** on which RETROLUX SUPER TT 600 must be applied.

BEFORE HOT MELTING **RETROLUX SUPER TT 600 KISS-CUT** ON ANY TYPE OF SURFACE PRELIMINARY TESTS MUST BE CONDUCTED TO DETERMINE THE OPTIMUM CONDITIONS OF BONDING.

PRINTABILITY

The product correctly transferred and in any case without the front liner, can be printed using inks suitable for polyester or other inks, carrying out preliminary adhesion tests.

We recommend the application of the ink with screen printing technique, good results have been obtained with digital printing with ecosolvent inks.

The correct adhesion of the inks must also be verified by subjecting the printed product to repeated washing.

STORAGE

Retrolux reflective transfer must be stored in a cool and dry area, we recommend temperatures between 15 and 25 °C and relative humidity less than 70%.

Retrolux reflective transfer must be stored in their original box and used within 1 year of receipt.

FOR FURTHER INFORMATION CONTACT IRC S.p.A - Italy