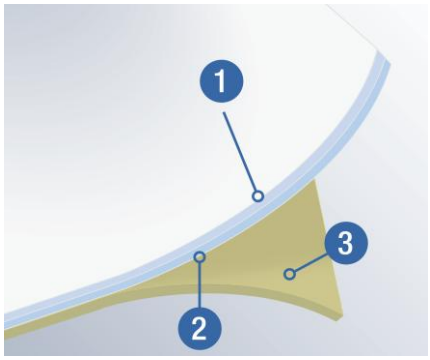
POLICROM
Via Predazzi, 48
24030 Carvico (BG) - Italy
policrom@policrom.it Switch board: +39 035 4382411
www.policrom.it Fax: 035794679
elecrom
FILMS FOR ELECTRONICS

ELECROM STRETCH WHITE TS D

Technical data sheet

DESCRIPTION	APPLICATION	FEATURES
Transparent polyurethane film, on a heat stabilized PET carrier: the upper side is printable, the lower side is heat sealable	Elastic thermal adhesive material printable with conductive inks to produce smart textiles	• High mechanical resistance optimized to print a wide range of conductive and dielectric inks • Matt surface of upper side is designed to provide a soft hand feel and to facilitate the printing process by preventing the film from sticking to the mesh • The lower side ensures perfect bonding to textile • Laminated to a PET heat stabilized carrier to provide flat surface during printing and minimize thermal shrinkage • Wash resistant • Suitable for plotter, laser or die cutting *Successfully tested by:* • *Saralon with Saral Stretch Silver 800 ink* • *Nagase with Conductive Silver ink CI-1036 and Conductive Carbon ink CI-2051*
	1. *Printable matte side made of ester based TPU* 2. *Heat-sealable side made of ether based TPU* 3. *Heat stabilized PET carrier*	

INSTRUCTIONS OF USE

STEP 1: Print the conductive track on the top layer. The curing temperature must not exceed 140 °C / 20 min
STEP 2: Print the dielectric layer
STEP 3: Remove the liner and transfer the film on fabric or other substract. The bottom layer, heat sealable, activates at 130-150 °C and ensures a perfect bond with the textile. Dwell time 25 s, pressure 2.8-4.2 bar (40-60 psi)

Shelf life: 6 months

PHYSICAL AND MECHANICAL PROPERTIES

Property		Test method	Unit	Nominal values
Nominal thickness		Internal Method	micron	155±15
Colour		-	-	Transparent
Melting temperature		DSC	°C	120-130
Modulus 100%	***Machine direction***	ISO 527-3/2/200	MPa	>10
	Cross direction			>9
Shrinkage at 140 °C/20 min	***Machine Direction***	Internal Method	%	< 0.3
	Cross Direction			< 0.2

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. It is the users responsibility to determine the suitability for his/her own use and application and test through the complete production process to ensure the product is fully suitable for the intended use, since conditions of use are beyond our control. The sale of our products shall be subject to our current General Terms and Conditions. We reserve the right to make changes that serve to improve the product.
T Rev.1nl 29/06/2026