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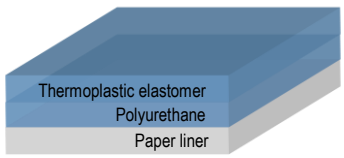
elecrom
FILMS FOR ELECTRONICS

ELECROM STRETCH WHITE ENCAPSULATE

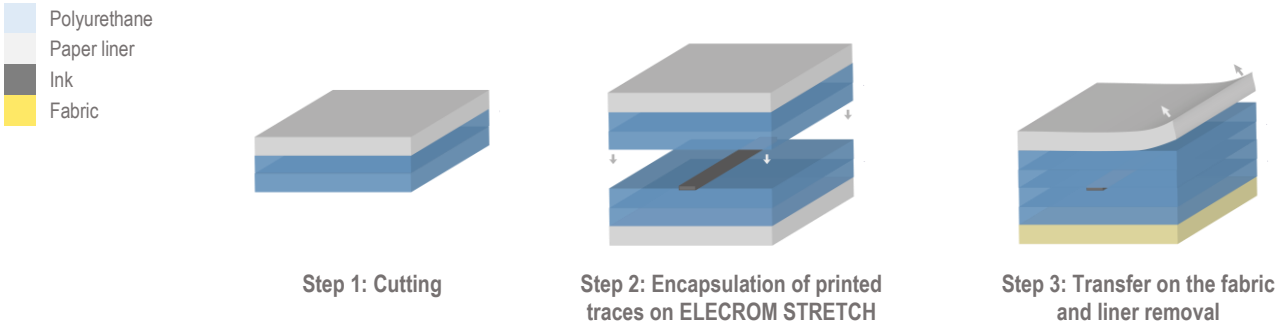
technical data sheet

DESCRIPTION	APPLICATION	FEATURES
Double layer, white TPU film, on a silicon paper carrier: the top layer is heat sealable, the bottom one is temperature resistant	Elastic thermal adhesive material for encapsulation of conductive tracks printed on ELECROM STRETCH	• The heat sealable top layer guarantees a good bond with ELECROM STRETCH • Soft hand and elastic • Suitable for plotter, laser or die cutting • Wash resistant



INSTRUCTIONS OF USE

STEP 1: Cut the shape as required
STEP 2: Laminate the side not protected with paper in contact with ELECROM STRETCH. The heat sealable layer activates at 150 °C and ensures a perfect bond with the ELECROM STRETCH. Dwell time 15 s, pressure 2.8-4.2 bar (40-60 psi)
STEP 3: Transfer the encapsulated circuit on the fabric with the conditions of step 2 and remove the paper liner.



Step 1: Cutting

Step 2: Encapsulation of printed traces on ELECROM STRETCH

Step 3: Transfer on the fabric and liner removal

PHYSICAL AND MECHANICAL PROPERTIES

Property		Test method	Unit	Nominal values
Nominal thickness		Internal Method	micron	135±15
Paper weight		Internal Method	g/m²	90±10
Colour		-	-	White
Melting temperature		DSC	°C	120-130
Tensile strength	*Machine direction*	ISO 527-3/2/200	MPa	>52
	Cross direction			>50
Elongation at break	*Machine direction*	ISO 527-3/2/200	%	>580
	Cross direction			>520
Modulus 100%	*Machine direction*	ISO 527-3/2/200	MPa	>7
	Cross direction			>6.5
Modulus 300%	*Machine direction*	ISO 527-3/2/200	MPa	>14
	Cross direction			>14
Hardness		Internal Method	Shore A	96.8