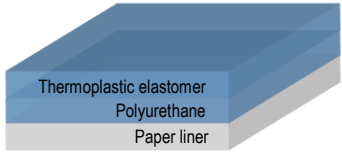




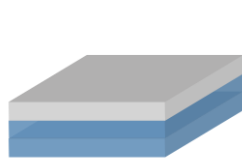
ELECROM STRETCH WHITE ENCAPSULATE

technical data sheet

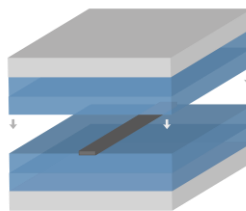
DESCRIPTION	APPLICATION	FEATURES
Double layer, white TPU film, on a silicon paper carrier: the top layer is heat sealable, the bottom one is temperature resistant	Elastic thermal adhesive material for encapsulation of conductive tracks printed on ELECROM STRETCH	<ul style="list-style-type: none"> • The 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

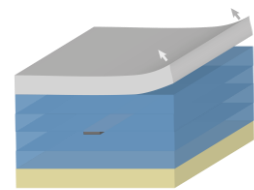
STEP 1: Cut the shape as required
STEP 2: Laminate the side not protected with paper in contact with ELECROM STRETCH. The heat sealable layer activates at 150 °C and ensures a perfect bond with the ELECROM STRETCH. Dwell time 15 s, pressure 2.8-4.2 bar (40-60 psi)
STEP 3: Transfer the encapsulated circuit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

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.

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