POLICROM

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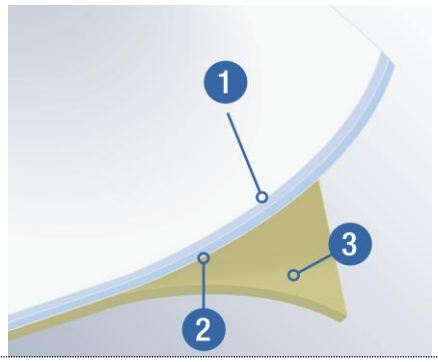
elecrom
FILMS FOR ELECTRONICS

ELECROM STRETCH CLEAR ENCAPSULATE D

Technical data sheet

DESCRIPTION	APPLICATION	FEATURES
Transparent polyurethane film, on a silicon paper carrier: the upper side is heat sealable, the bottom side is temperature resistant and printable	Elastic thermal adhesive material for encapsulation of conductive tracks printed on ELECROM STRETCH TS D or can be printable with conductive inks as an intermediate layer	• The heat sealable upper side guarantees a good bond with ELECROM STRETCH TS D • Highly Matt surface of lower side is designed to provide a soft hand feel and to facilitate the printing process by preventing the film from sticking to the mesh • High-stretch film • Wash resistant • Suitable for plotter, laser or die cutting
	1. *Heat sealable side* 2. *Temperature resistant and printable side* 3. *Silicon paper*	

INSTRUCTIONS OF USE

STEP 1: Cut the shape as required
STEP 2: Laminate the side not protected with paper in contact with ELECROM STRETCH TS D. The heat sealable layer activates at 130-150°C and ensures a perfect bond with the ELECROM STRETCH TS. Dwell time 5 s, pressure 4-6 bar.
Can be further printed as an intermediate layer
STEP 3: Transfer the encapsulated circuit on the fabric with the conditions of step 2 and remove the paper liner.

Shelf life: 6 monthsCAPA

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
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

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