



# ELECROM STRETCH WHITE-SOFT

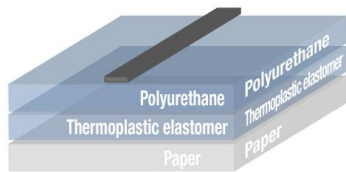
## technical data sheet

DESCRIPTION	APPLICATION	FEATURES
Double layer, white TPU film, on a silicon paper carrier: the top layer is printable, the bottom one is heat sealable	Elastic thermal adhesive material printable with conductive inks for the production of smart textiles	<ul style="list-style-type: none"> <li>Elasticity optimized to print conductive ink with the highest stretch</li> <li>The top layer with a high melting temperature guarantees the integrity of the track during the processes of ink curing and thermal transfer</li> <li>The bottom layer with a low melting temperature facilitate bonding to textile</li> <li>Soft hand</li> <li>Wash resistant</li> </ul>

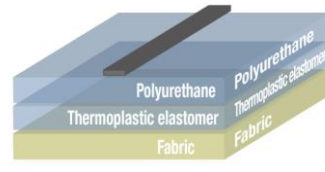
## INSTRUCTIONS OF USE

STEP 1: Print the conductive track on the top layer. The curing temperature must not exceed 130 °C / 30'

STEP 2: Remove the paper liner and transfer the film on fabric. The bottom layer, heat sealable, activates at 150 °C and ensures a perfect bond with the textile. Dwell time 15 s, pressure 2.8-4.2 bar (40-60 psi)



Step 1: Printed film



Step 2: Transferred film on fabric

## PHYSICAL AND MECHANICAL PROPERTIES

Property	Test method	Unit	Nominal values	
Nominal thickness	Internal Method	micron	135±15	
Paper weight	Internal Method	g/m <sup>2</sup>	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	

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