



ELECROM STS A.00 A.00

technical data sheet

DESCRIPTION	APPLICATION	FEATURES
Heat stabilized PET clear film both sides treated	Developed for flexible circuits	<ul style="list-style-type: none"> • High dimensional stability • Good adhesion of conductive inks • Optimal flatness • High transparency

PHYSICAL AND MECHANICAL PROPERTIES

Property	Test method	Unit	Nominal values
Nominal thickness	ASTM D 374	micron	125
Tensile strength (break) <i>Machine direction</i>	ASTM D 882	daN/mm ²	20
Tensile strength (5%) <i>Machine direction</i>	ASTM D 882	daN/mm ²	11
Elongation at break <i>Machine direction</i>	ASTM D 882	%	150
COF (static)	ASTM D 1894	-	<0.7

THERMAL PROPERTIES

Property	Test method	Unit	Nominal values	
Shrinkage at 150 °C/30'	ASTM 1204	%	<i>Machine direction</i>	< 0.20
			<i>Cross direction</i>	< 0.10

ELECTRICAL PROPERTIES

Property	Test method	Unit	Nominal values
Dielectric constant	ASTM D150	-	3.3
Dielectric strength	ASTM D149	Volts/mil	14500
Surface resistivity	ASTM D257	Ohms/sq	1x10 ¹⁷
Volume resistivity	ASTM D257	Ohms-m	1x10 ¹⁷

OPTICAL PROPERTIES

Property	Test method	Unit	Nominal values
Haze	ASTM D 1003	%	1.8
Total light transmission (TLT)	ASTM D 1003	%	92

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