



ELECROM PRINT AG AN

technical data sheet

DESCRIPTION	APPLICATION	FEATURES
PET film for graphic overlay (Cover) with an anti-scratch treatment on the reverse side.	Developed as an overlay for the production of flexible switches and membrane keyboards.	<ul style="list-style-type: none"> • One side treated for UV inks (screen printed and digital) • Optimal flatness • Embossable • Antiglare • Anti-newton • One side scratch resistant • Good dimensional stability
<p>The diagram shows a roll of film with a central core. One side is labeled 'PRINTABLE SIDE' and the other is labeled 'ANTI-SCRATCH SIDE' with an arrow pointing to the outer surface.</p>		

PHYSICAL AND MECHANICAL PROPERTIES

Property	Test method	Unit	Nominal values
Nominal thickness	ASTM D 1186	Micron	188
Tensile strength <i>Machine direction</i>	ASTM D 882	DaN/mm ²	18.6
Elongation at break <i>Machine direction</i>	ASTM D 882	%	93.4
Film hardness by pencil test	ASTM D 3363	-	> 2H
Switch life	300g; 10.000 times/1hr	Million flexes	> 1

CHEMICAL PROPERTIES

Property	Test method	Unit	Nominal values
Chemical resistance	DIN 42115	-	Resistant to: <ul style="list-style-type: none"> • Alcohols • Dilute acids • Dilute Alkalis • Esters • Hydrocarbons • Ketones • Household cleaning agents

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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THERMAL PROPERTIES

Property		Test method	Unit	Nominal values
Shrinkage at 120°C / 30'	Machine direction	ASTM D 1204	%	≤ 0.34
	Cross direction			≤ 0.24

ELECTRICAL PROPERTIES

Property	Test method	Unit	Nominal values
Dielectric strength	ASTM D 149 500 V/sec	KV / mm	125

OPTICAL PROPERTIES

Property	Test method	Unit	Nominal values
Haze	ASTM D 1003	%	< 13
Yellowness index	ASTM D 2244	-	< 2

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