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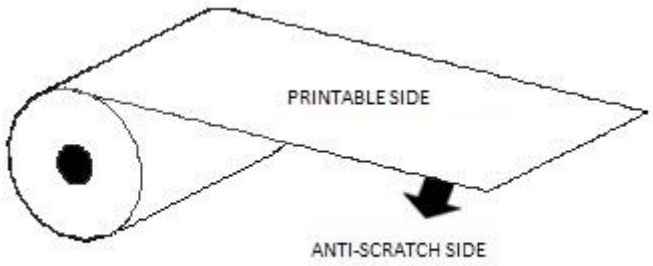
elecrom
FILMS FOR ELECTRONICS

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.	• One side treated for UV inks (screen printed and digital) • Optimal flatness • Embossable • Antiglare • Anti-newton • One side scratch resistant • Good dimensional stability •



PHYSICAL AND MECHANICAL PROPERTIES

Property		Test method	Unit	Nominal values
Nominal thickness		ASTM D 1186	Micron	188
Tensile strength	*Machine direction*	ASTM D 882	DaN/mm^2	18.6
Elongation at break	*Machine direction*	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: • Alcohols • Dilute acids • Dilute Alkalis • Esters • Hydrocarbons • Ketones • Household cleaning agents

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