

AUTOTEX TOUCH

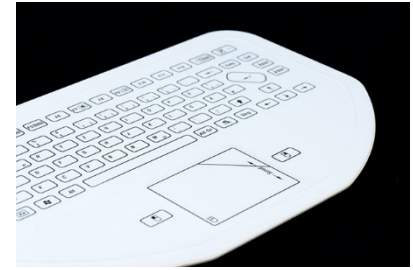
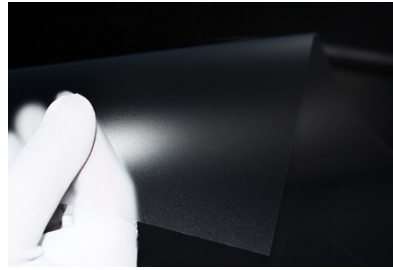
Product Data Sheet

Textured Hardcoat Polyester Film



DESCRIPTION

Autotex Touch is a high quality textured hardcoat polyester* film, developed for applications requiring a combination of high abrasion resistance and flexibility such as embossed membrane switches, laptop PC touchpads, and applications where touchpads are integrated into membrane switches. The Touch finish has been specially developed to give a smooth, flat matt surface with excellent finger glide characteristics. When selectively printed with **Windotex** the **Autotex Touch** gives exceptional window quality.



PRODUCT RANGE

Products	Gauge		
	150µm	200µm	280µm
Autotex Touch with 0-series ink primer for solvent based screen printing inks	T150	T200	T280
Autotex Touch with 7-series ink primer for solvent based and UV cured screen printing inks	T157	T207	-

PRIMER

Autotex Touch has an ink adhesion primer on the second surface.

The standard 0-series ink-receptive coating is designed for solvent based screen printing inks. The primer has also been used successfully with some digital UV inkjet printers. Please contact MacDermid Autotype for more information.



The 7-series primer offers excellent adhesion to a wide range of solvent based screen printing inks and UV screen printing inks.

WINDOWS

Autotex Touch can be screen printed with Windotex windowing lacquers to obtain a clear window. Printing guidelines are available in the **Windotex** Processing and Safety Recommendations.

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹	61% ± 4%	ASTM D1003
Total luminous transmission ¹	91% ± 2%	ASTM D1003
Gloss level (60°) ¹	6 ± 1	ASTM D2457 (Modified to Test Method 022)
Yellowness index ^{1,3}	<3	ASTM E313
Switch life ¹	>5 million actuations	Test Method 003
Tensile strength at break ²	172-190 N/mm ²	ASTM D882
Breakdown voltage ² 150µm 200µm 280µm	16 – 18 kV 18 – 20 kV 22 kV	ASTM D149
Dimensional stability ^{1,3}	0.2% maximum shrinkage MD at 120°C	Test Method 094
Thickness ¹	Nominal ±10%	Test Method 096
Maximum processing temp.	120°C	
Maximum use temp. ¹	Low humidity (<10%RH) 85°C	Test Method 012
	High humidity (<95%RH) <60°C	
Minimum use temp. ¹	-40°C (-40°F)	Test Method 012
Chemical Resistance ¹	Excellent resistance to many common industrial solvents and household chemicals - please see Autotex Solvent Resistance Data Sheet	



¹ For details of test method, please contact MacDermid Autotype

² Data derived from base film manufacturer's literature. The coating slightly enhances most properties

³ Specification Property

*The term polyester is the generic term for several different polymers, of which polyethylene terephthalate (PET) is the most common. PET is used in MacDermid Autotype Polyester film products.

Note – performance characteristics may be subject to change

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Autotype
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