

AUTOTEX DP

Product Data Sheet

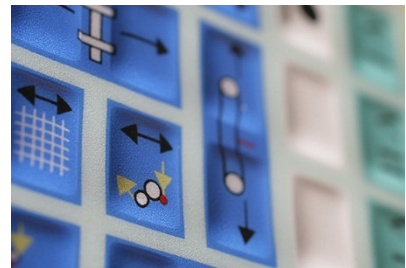
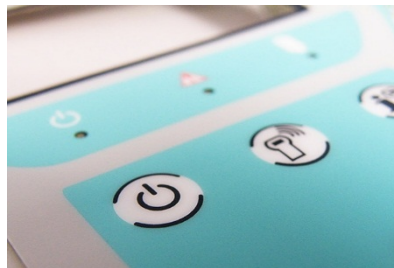
Textured Hardcoat Polyester Film



DESCRIPTION

Autotex DP is a high quality hardcoated polyester* film with a flexible, chemically bonded, UV-cured textured coating.

Autotex DP has been developed to be compatible with the Hewlett Packard Indigo digital printing system.



PRODUCT RANGE

Product	Finish	Gauge	
		150µm	200µm
Autotex DP with primer for HP Indigo digital print units	Fine	F150 DP	F200 DP

PRIMER

Autotex DP has an ink adhesion primer on the second surface. This primer confers excellent ink adhesion with Hewlett Packard Indigo Digital printing presses (S2000, WS2000, WS4050, 5600 and WS6800).



BACKING INKS

A white backing can be screen printed over the image. Recommended white UV screen printing inks are listed below. Processing guidelines can be obtained from the ink manufacturer.

Recommended white UV screen printing inks	
Nor-Cote NBW	Nazdar 3478
Nor-Cote PTX-1046	Nazdar 3498
Proell NoriCure® AP 944	Nazdar NSC44

WINDOWS

The **Autotex DP** texture can be screen printed with Windotex windowing lacquers to obtain a clear window. Printing guidelines are available in the Windotex Processing and Safety Recommendations. Nor-Cote® MSK Lens Clear can be applied to the second surface to obtain additional clarity

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹	58% ±5%	ASTM D1003
Total luminous transmission ¹	92% ±2%	ASTM D1003
Gloss level (60°) ¹	7 ±1.5 Gloss Units	ASTM D2457 (modified to Test method 022)
Yellowness index ³	<3	ASTM E313
Switch life ¹	>5 million actuations	Test method 003
Tensile strength at break ²	172 N/mm ²	ASTM D882
Breakdown voltage ²	150µm 16 kV 200µm 18 kV	ASTM D149
Dimensional stability ³	0.2% maximum shrinkage MD at 120°C	Test method 094



TYPICAL PROPERTIES CONTINUED

Property	Typical Value	Test Method
Hardcoat adhesion ³	Pass	Test method 080
Thickness all grades ¹	Nominal $\pm 10\%$	Test method 096
Max. processing temperature	120°C	-
Maximum use temperature ¹	Low humidity (<10%RH) 85°C	Test method 012
	High humidity (10-95%RH) 60°C	
Minimum use temperature ¹	-40°C (-40°F)	Test method 012
Chemical Resistance	Excellent resistance to many common industrial solvents and household chemicals - please refer to 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 value

* The term polyester is the generic term for a number of different polymers, of which polyethylene terephthalate (PET) is the most common. PET is used in MacDermid Autotype High Performance Film Systems 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

macdermid.com/autotype

<p>North America MacDermid Autotype Inc. 245 Freight Street Waterbury, CT 06702, USA (800) 323 0632 autotypeusinfo@macdermid.com</p>	<p>Europe MacDermid Autotype Ltd. Grove Road, Wantage, Oxon OX12 7BZ, UK +44 (0) 1235 771111 salesupport@macdermidautotype.com</p>	<p>Asia MacDermid Autotype Pte Ltd. 14, Joo Koon Crescent Singapore, 629014 +65 643 00701 autotype-asia@macdermid.com</p>
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