

AUTOTEX AM

Product Data Sheet

Textured Hardcoat Polyester Film with Microban® Antimicrobial Protection



DESCRIPTION

Autotex AM is a high quality, textured hardcoat polyester* film offering Microban® antimicrobial protection. Microban® technology is incorporated into the **Autotex AM** during the manufacturing process which ensures even distribution of the antimicrobial agent throughout the textured hardcoat. When bacteria and fungus come into contact with **Autotex AM** with Microban®, the antimicrobial function disrupts the microbial cell wall inhibiting growth. The result is that the film surface of **Autotex AM** provides dependable and constant protection against microbial contamination.

Autotex AM is available in sheets and rolls.



PRODUCT RANGE

Product	Finish	Gauge	
		150 µm	200 µm
Autotex AM with 7-series ink primer for UV screen printing inks and solvent based screen printing inks	Fine	AM F157 L	AM F207 L

PRIMER

Autotex AM has an ink adhesion primer on the second surface. The 7-series primer offers excellent adhesion to a wide range of solvent based screen printing inks and UV screen printing inks.

LAMINATE

MacDermid Enthone Industrial Solutions supply the **Autotex AM** film range with a protective laminate on the ink primer surface and recommend that the laminate remains in place until the first ink print pass.





WINDOWS

Autotex AM can be screen printed with Windotex windowing lacquers to obtain a clear window. Printing guidelines are available in the Windotex Processing and Safety Recommendations. Note that Windotex does not offer any antimicrobial protection.

SURFACE CLEANING

Please note that the use of **Autotex AM** must not be used as a substitute for proper cleaning and disinfection of surfaces.

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹	58% ± 5%	ASTM D1003
Total luminous transmission ¹	92% ± 2.0%	ASTM D1003
Gloss level (60°) ¹	7 ± 1.5 GU	ASTM D2457 (Modified to test method 022)
Yellowness index ³	< 3	ASTM E313
Switch life ¹	> 5 million actuations	Test method 003
Hardcoat adhesion ³	Pass	Test method 080
Tensile strength at break ²	172 N/ mm ²	ASTM D882
Breakdown voltage ²		ASTM D149
150 µm	18 kV	
200 µm	20 kV	
Dimensional stability ³	< 0.2% MD at 120 °C maximum shrinkage	Test method 094
Thickness all grades ¹	Nominal ± 10%	Test method 096
Maximum processing temp	120 °C	-
Maximum use temperature ¹		Test method 012
Low humidity	(< 10% RH) 85 °C	
High humidity	(85% 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 AM Solvent Resistance performance chart	
Antimicrobial properties	Every batch independently tested against E. Coli ISO 22196:2011	





¹ For details of test method, please contact MacDermid Enthone Industrial Solutions

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 Enthone Industrial Solutions polyester products

Note – performance characteristics may be subject to change

SAFETY & WARNING

MacDermid Enthone Industrial Solutions recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermid Enthone Industrial Solutions.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Enthone Industrial Solutions for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact us:

industrialfilms@macdermidenthone.com

Americas 245 Freight Street Waterbury, CT 06702, USA (800) 323 0632	Europe & rest of the world Grove Road, Wantage, Oxon OX12 7BZ, UK +44 (0) 1235 771111	Asia 26 Tuas West Road Singapore 638382 +65 6862 3327
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Website: industrial.macdermidenthone.com

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