

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 and the film surface. When bacteria come into contact with **Autotex AM** with Microban®, the antimicrobial function disrupts the bacterial cell wall killing or inhibiting bacterial growth. The result is that the film surface of **Autotex AM** provides dependable and constant protection against bacterial contamination.

Autotex AM is available in sheets and rolls.



PRODUCT RANGE

Product	Finish	Gauge	
		150µm	200µm
Autotex AM with 7-series ink primer for UV screen printing inks and solvent based screen printing inks	Fine	AM F157L	AM F207L

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 Autotype 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% ±0.5%	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
Hardcoat adhesion ³	Pass	Test method 080
Tensile strength at break ²	172 N/mm ²	ASTM D882
Breakdown voltage ²		ASTM D149
150μ	18 kV	
200μ	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	
Anti-Microbial properties	Please refer to Autotex AM Anti-Microbial performance 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 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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