

Autotex AM - Product Data Sheet

Textured Hardcoated Polyester Film with Microban® antimicrobial protection

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.

* 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 Industrial Polyester film products.

Autotex AM Version	Finish	Gauge	
Autolex Aivi version		150μ	200μ
Autotex AM with 7-series ink primer for UV screen printing inks and solvent based screen printing inks	Fine	F157	F207

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.

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.

Laminate:

MacDermid supplies 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.

TYPICAL PROPERTIES			
Property	Autotex AM	Test Method	
Haze ¹	58% ±5%	ASTM D1003	
Total luminous transmission ¹	92% ± 0.5%	ASTM D1003	
Gloss level (60°) ¹	7 ±1.5	ASTM D2457	
Yellowness index ¹	<3	ASTM E313	
Switch life	>5 million flexes	MacDermid method	
Tensile strength at break ²	172 N/mm ²	ASTM D882	
Breakdown voltage ² 150 μ 200 μ	18 kV 20 kV	ASTM D149 6.35mm electrodes in dry air @ 25℃	
Dimensional stability	<0.2% MD at 120 °C maximum shrinkage	MacDermid method	
Thicknesses	Nominal ± 10%	MacDermid method	
Maximum processing temp.	120℃		
Maximum use temp.	Low humidity (<10%RH) 85 ℃ High humidity (85%RH) 60 ℃	MacDermid method	
Minimum use temp.	-40°C (-40°F)	MacDermid method	
Chemical resistance	Please refer to Autotex AM Solvent Resistance chart		
Anti-Microbial properties			

¹ Test method adapted to MacDermid method

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IMDS ID-No: 12495963

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