

AUTOTEX XE

Product Data Sheet

Hardcoated Polyester Film for Extreme Environments



DESCRIPTION

Autotex XE has been developed for applications such as instrument, fascia and membrane switch panels and durable labels that are used where high or widely fluctuating temperatures, excessive humidity and strong levels of ultraviolet light are encountered.

Autotex XE is available in sheets and rolls.



PRODUCT RANGE

Products	Finish	Gauge	
		150 µm	200 µm
Autotex XE with 0-series ink primer for solvent based screen printing inks	Fine	XE F150	XE F200
	Velvet	XE V150	XE V200
Autotex XE with 7-series ink primer for UV screen printing inks and solvent based screen printing inks	Fine	-	XE F207
	Velvet	XE V157	XE V207

PRIMER

Autotex XE has an ink adhesion primer on the second surface. Two versions are available:

The standard or 0-series primer is for solvent based screen printing inks. The primer has also been used successfully with some digital UV inkjet printers. Please contact MacDermid Enthone Industrial Solutions 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

Windotex is not a UV resistant product and is therefore not recommended for prolonged use outdoors. Due to the stabilising chemistry used in **Autotex XE**, the adhesion of Windotex to the surface may be impaired. Contact MacDermid Enthone Industrial Solutions for further information.

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹ Fine Velvet	58% ± 5% 71% ± 5%	ASTM D1003
Total luminous transmission ¹	92% ± 2%	ASTM D1003
Gloss level (60°) ¹ Fine Velvet	7 ± 1.5 GU 4.5 ± 1 GU	ASTM D2457 (modified to test method 022)
Yellowness index ³	< 5	ASTM E313
Hardcoat adhesion ³	Pass	Test method 080
Switch life ¹	> 5 million actuations	Test method 003
Tensile strength at break ²	172-190 N/ mm ²	ASTM D882
Breakdown voltage ² 150 µm 200 µm	16 - 18 kV 18 - 20 kV	ASTM D149
Dimensional stability ³	0.2% max shrinkage MD at 120 °C	Test method 094
Thickness all grades ¹	Nominal ± 10%	Test method 096
Maximum processing temperature	120 °C	
Maximum use temperature ¹	Low humidity (< 10% RH) 85 °C	Test method 012
	High humidity (85% RH) 85 °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 see Autotex XE Solvent Resistance Data Sheet	
Outdoor resistance	Please see Autotex XE Environmental Data Sheets	

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

²Data derived from base film manufacturer's literature.

³Specification value

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 Enthone Industrial Solutions polyester film 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:

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