

AUTOTEX SOFTOUCH

Product Data Sheet

Textured Hardcoated Polyester Film



PRODUCT DESCRIPTION

Autotex Softouch has been developed to deliver a very fine, flat matt finish which, in combination with new coating chemistry, produces a unique soft-to-touch feel. This has been achieved whilst maintaining formability, flexibility, chemical and abrasion resistance.

Autotex Softouch is available in sheets and rolls.



PRODUCT RANGE

Product	Base	Gauge	
		150 µm	200 µm
Autotex Softouch with 0-series ink primer for solvent based screen printing inks	Softouch	ST150 L	ST200 L
Autotex Softouch with 3-series ink primer for UV cured inkjet, UV cured screen printing and solvent based screen printing inks	Softouch	ST153 L	ST203 L



TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹	90% ± 2%	ASTM D1003
Total luminous transmission ¹	92% ± 2%	ASTM D1003
Gloss level (60°) ¹	1.5 ± 0.2	ASTM D2457 (Modified to test method 022)
Yellowness index ³	< 3	ASTM E313
Hardcoat Adhesion ³	Pass	Test method 080
Switch life ¹	> 5 million actuations	Test method 003
Tensile strength at break ²	150 N / mm ²	ASTM D882
Breakdown voltage ² 150 µm 200 µm	16 kV 18 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 temp	120 °C	-
Maximum use temperature ¹	Low humidity (< 10% RH) 85 °C High humidity (10-95% RH) < 60 °C	Test method 012
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 Softouch Solvent Resistance Data Sheets	

Note: All evaluation results are obtained from lab produced samples at MacDermid Enthone Industrial Solutions. They are for general guidance only and do not represent the final product's properties.

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

²Data derived from base film manufacturer's literature

³Specification value



PRIMER

Autotex Softouch 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 3-series primer is for use with UV curable inkjet inks, solvent based screen printing inks and UV screen printing inks.

WINDOWS

Autotex Softouch offers a unique textured surface which is compatible with Windotex windowing lacquers. Please refer to Windotex Processing & Safety Recommendations. Note that for **Autotex Softouch**, window printing must occur within 24 hours of the film being exposed to the atmosphere.

LAMINATE

Where present, the protective laminate on the print surface should be left in place until the first ink print pass.

The laminate on the print side is clearer than the one on the hardcoated side. The hardcoat laminate is hazy in appearance.

EDGE-QUALITY AFTER CUTTING

Due to its elastomeric nature, the **Autotex Softouch** coating is susceptible to damage at a cut edge. This can be minimised by the use of sharp blades and good cutting techniques.

SHELF LIFE & STORAGE CONDITIONS

The recommended shelf life is 36 months from date of manufacture. MacDermid Enthone Industrial Solutions guarantee a minimum remaining shelf life of 8 weeks at the time of despatch.

The recommended shelf life represents the maximum processing life time of the product from the date of manufacture when stored correctly and in unopened packaging.



The following storage conditions are recommended:

Storage Conditions	
Temperature	15 °C to 25 °C
Relative Humidity	50 to 65%
Packaging	Store in original protective packaging Once the packaging has been opened, the processing lifetime can be compromised due to air ingress, contamination or UV light
Moisture	Store away from water sources
Chemicals	Keep away from aggressive solvents

IMDS ID-No

By arrangement with our regulatory affairs team.



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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