

XTRAFORM 2D XE

Product Data Sheet

Hardcoated Polyester Film for Extreme Environments



DESCRIPTION

XtraForm 2D XE is a 200µm hardcoated polyester film with an ink primer on the second surface for solvent based screen printing inks.

XtraForm 2D XE is suitable for use in parts exposed to high or widely fluctuating temperatures, excessive humidity and strong levels of ultraviolet light.



XtraForm 2D XE is available in sheets and rolls.

SHELF LIFE AND STORAGE

Shelf life of **XtraForm 2D XE** is 36 months from date of manufacture when stored in cool, dry conditions in the original packaging. Once processed this shelf life does not apply. Finished parts can last many years.



TYPICAL PROPERTIES

Property	XtraForm 2D XE	Test Method ¹
Thickness	207µm ±14	Test method 096
Haze	71% ±5%	ASTM D1003
Total luminous transmission	92% ±2%	ASTM D1003
Gloss level (60°)	4.5 ±1 GU	ASTM D2457 (modified to test method 022)
Yellowness index	≤5	ASTM E313
UV absorption (370nm)	2.5-3.6	Test method 106
Hardcoat adhesion	Pass	Test method 080
Dimensional stability	≤0.2% shrinkage MD at 120°C	Test method 094
Maximum processing temperature	120°C	
Resistance to humidity	95%RH, 60°C	Test method 012
Minimum use temperature	-40°C (-40°F)	Test method 012
Chemical resistance	Excellent resistance to many common industrial solvents and household chemicals - please see XtraForm 2D XE Solvent Resistance Data Sheet	
Outdoor resistance	Please see XtraForm 2D XE Environmental Data Sheets	

¹For details of test method, please contact MacDermid.

BASE FILM DATA¹

Property	Data	Test Method
Tensile strength	172-190 N/mm ²	ASTM D882
Breakdown voltage	18 - 20 kV	ASTM D149

¹Derived from suppliers' literature



CONTACT INFORMATION

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