



The Plastic Films Specialist

Tenopex® TX-UY4200 Polyester Technical Data Sheet

Description and Applications

Tenopex® TX-UY4200 is a super clear polyester film with solvent based primer on both sides to create an excellent surface for ink adhesion and penetration. Typical applications include nameplate, overlay, membrane switches, release film, insulation barrier for electric plugs, label & graphic substrates, adhesive tapes and more.

With solvent based primer suitable for solvent based ink, polycarbonate ink and polyester ink.

Drying recommendation :

20-30 min at 90°C (Oven Heat) ;
3min at 100°C – 120°C (Infra-Red Heat)

Typical Property Values

Property	Test Method	Units	Value
Physical			
Density	ASTM D792	g/cm ³	1.4
Optical			
Light Transmission	ASTM D1003-61	%	92
Haze	ASTM D1003-61	%	0.9 – 1.2
Mechanical			
Tensile Strength at Break	ASTM D882	Kg/mm ²	18
Tensile Elongation at Break	ASTM D882	%	90
Friction Coefficient	ASTM D1894	Static	0.5
Thermal			
Standard Temperature Resistance	ASTM D1525-76	°C	> 105
Shrinkage at 130°C/30min	ASTM D1204	% (min)	1.5 – 2.0
Electrical			
Dielectric Strength	JIS C2151	KV/mm	300KV/mm
Dielectric Constant	JIS C2151	1KHz	3.2
		1MHz	3.0
Dissipation Factor	JIS K6911	1KHz	0.3%
		1MHz	1.2%
Volume Resistivity	JIS C2151	Ω.cm	10 ¹⁷

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These are typical properties and are not intended for specifications purposes. If minimum certifiable properties are required, please contact your local sales representative. Reported values are based on 0.250mm thickness film unless otherwise noted.

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