

Tenopex® TX-UY4100 Polyester Technical Data Sheet

Description and Applications

Tenopex® TX-UY4100 is a super clear polyester film with digital primer on both sides to create an excellent surface for ink adhesion and penetration. Typical applications include overlay, label & graphic substrates, advertising prints

With digital primer suitable for digital UV & digital aqueous ink types

Print System Recommendations :

Epsom, Hewlett Packard, Mimaki, etc *(please conduct sample batch test prior to mass production)*

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 dec/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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