

TECHNICAL DATA SHEET

Polished/Brushed Polycarbonate Film

Product Name & No: **VX61**



Product Description

VX61 is a one side brushed, one side polished transparent polycarbonate film. It offers high temperature resistance, excellent dimensional stability, as well as good printability without pretreatment making it an excellent candidate for multi-layer printing for applications such as overlays, floor graphics, high-performance labels and in-mould decoration. It can be screen printed using traditional solvent based or water based inks, as well as UV or infrared drying inks and offers ease of processing for thermoforming, embossing, die-cutting, hydro-forming and bending. The brushed 1st surface allows processors and OEMs alike to achieve a brushed metal appearance by back printing, laminating, or spraying with metallic inks, adhesives, or paint.

Product Datasheet

Item	Property	Value	Unit	Test Method
Physical	Density	1.2	g/cm ³	ISO 1183
	Haze	-	%	ASTM D1003
	Light Transmission	89	%	ASTM D1003
Mechanical	Tensile Strength	60	MPa	ISO 527
	Elongation	>100	%	ISO 527
	Bend Strength	90	MPa	ISO 178
	Tensile Modulus	2300	MPa	ISO 178
Electrical	Resistant Electric Arc	250	-	IEC 60112
	Dielectric Constant	3.4	-	IEC60250
	Resistant Puncture Voltage	30	KV/mm	IEC60243
	Surface Resistivity	1.00E+16	Ω/square	ASTM D257
	Volume Resistivity	1.00E+17	Ω-cm	ASTM D257
Thermal	Coefficient of Thermal Expansion	5.8	x10 ⁻⁵ / °C	ISO 11359
	Thermal Conductivity Rate	0.2	W/(m*K)	ASTM D5470
	Thermal Shrinkage	0.5~0.7	%	ASTM D1204
	Tg	152	°C	ISO 11357
Flammability	Grade of Resistant Flame	V-2/VTM-2		E249605

Tip: This test data is for reference only, not as an absolute application index.