



omay® 绝缘阻燃 PC 薄膜 V42

omay® Flame Retardent Polycarbonate (FRPC) Film V42

颜色	表面纹理	厚度范围	用途
Color	Texture	Thickness	Application
本色	磨砂/哑光	0.125mm~	Electrical Vehicles (EV), Solar Energy (PV), Non EV Automotive, Cloud Data Centers, Industrial Controls, LED Lighting, Electrical Power Distribution, Consumer Electronics, Major Appliances, Medical Electronics, Information Technology, Telecommunications
Transparent	Velvet/Matte	1.0mm	

物性一览表

Product Datasheet

序号	物性	性能指标	单位	测试标准
Item	Property	Value	Unit	Test Method
物理性能 Physical	密度 Density	1.23	g/cm ³	ISO 1183
	雾度 Haze	>70	%	ASTM D1003
	透光率 Light Transmission	>80	%	ASTM D1003
机械性能 Physical	拉伸强度 Tensile Strength	60	MPa	ISO 527
	断裂伸长率 Elongation	>50	%	ISO 527
	拉伸模量 Tensile Modulus	2400	MPa	ISO 527
	弯曲强度 Flexural Strength	91	MPa	ISO 178





	表面张力 Surface tension	>34	dyn / cm	测试液
	介电常数 Dielectric Constant	3	-	IEC60250
电性能 Electrical	耐电压值 Resistant Puncture Voltage	30	KV/mm	IEC 60243
	耐电弧性 Arc Resistivity	250	-	IEC60112
	表面电阻率 Surface Resistivity	1.00E+16	Ω /square	IEC 60093
	体积电阻率 Volume Resistivity	1.00E+17	Ω -cm	IEC 60093
热性能 Thermal	热膨胀系数 Coefficient of Thermal Expansion	5.8	$\times 10^{-5}/^{\circ}\text{C}$	ISO 11359
	热传导率 Thermal Conductivity	0.2	W/(m*K)	ASTM D5470
	收缩率 (150°C) Thermal Shrinkage (at 150°C)	0.5~0.7	%	ASTM D1204
	玻璃化温度 Tg	152	$^{\circ}\text{C}$	ISO 11357
可燃性 Flammability	UL94	VTM-0/V-0	E249605	

注:本测试仅供参考,不作为绝对应用指标.

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