



Material Data Sheet

PC Film/Sheet Products

产品描述 Description:

FRPC65 is a Velvet/ Matte flame-resistant halogen-typed polycarbonate (PC) film. Accord with ROHS directive with V0 material used for production. It is widely used in power supplies, TV/monitors, business computers as insulation and shielding. Compared with previous flame-resistant PC film, it has better mechanical properties, appearance, stable and uniform color. It is also widely used in power supplies, TV/monitors, business computers as insulation and shielding.

商品代码 Type	颜色 Color	表面纹理 Surface texture	厚度(mm) Thickness	宽度(mm) Width	性能 Feature
FRPC65	Clear	Velvet / Matte	0.175~0.500 (0.007"~0.020")	930 (3')	阻燃特性 Flammability VTM-0 &V-0

物性表 Typical Property Table

特性 Property	测试方法 Test Method	单位 Unit	测试值 Test value
物理性 PHYSICAL			
比重 Specific Gravity	ASTM D792	g/cm ³	1.30-1.32
平均吸水率 Water Absorption Equilibrium, 24 hrs	ASTM D570	%	0.35
机械性 MECHANICAL			
伸张强度 Tensile Strength	ASTM D882	psi	7,300
	ISOR1184-1987	MPa	50
极限延伸率 Elongation at break	ASTM D882	%	>15
冲击强度 Impact Strength @ 30mils	JIS-K6745	In-lbs	60
撕裂强度 Tear Strength Propagation	ASTM D1922	g/mil	>30
耐温性 THERMAL			
维卡软化点 Vicat Softening Point 120 °C/hr, 10N load	ISO 306	°C	151
电气性 ELECTRICAL			
介电强度 Dielectric Strength (@ 10mils)	ASTM D149	KV/mm	>= 20
体积绝缘 Volume Resistivity @25°C, 50%RH	ASTM D257	Ω·cm	~10 ¹⁷
表面绝缘 Surface Resistivity @25°C, 50%RH	ASTM D257	Ω	~10 ¹⁵
阻燃性 FLAMMABILITY			
UL 防火等级 UL Flammability @ ≥10 mils	SGS testing	UL measure	V-0
@ <10 mils	SGS testing	UL measure	VTM-0

环保指标 Environment-Protection Index	FRPC65
汞 Hg	N.D
六价铬 Cr(VI)	N.D
镉 Cd	N.D
铅 Pb	N.D
多溴联苯 PBBs	N.D
多溴联苯醚 PBDEs	N.D
全氟辛酸磺酸 PFOS	N.D
DBP/BBP/DEHP/DIBP	N.D

Note: The values in the typical property table are for reference only. For further requirements, please contact us.