



Material Data Sheet

PBT Film/Sheet Products

产品描述 Description:

FRPC1 is a Gloss/ Matte flame-resistant PBT film. Accord with ROHS directive with V0 material used for production, it is especially widely used in power supplies, TV/monitors, business computers as insulation and shielding. Compared with previous flame-resistant PC film, it has higher temperature resistance, appearance, stable and uniform color.

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
FRPC1	Clear	Gloss / Matte	0.175~0.500 (0.007"~0.020")	1220 (4')	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	1.34
平均吸水率 Water Absorption Equilibrium, 24 hrs	ASTM D570	%	0.40
机械性 MECHANICAL			
伸张强度 Tensile Strength	ASTM D882	psi	~ 6,000
	ASTM 790	MPa	82.7
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	22
耐温性 THERMAL			
熔点 Melting point		°C	220
电气性 ELECTRICAL			
介电强度 Dielectric Strength (@ 10mils)	ASTM D149	V/mil	15.6
体积绝缘 Volume Resistivity @25°C, 50%RH	ASTM D257	Ω·cm	10 ¹⁶
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 @ ≥20 mils	SGS testing	UL measure	V-0
@ < 20 mils	SGS testing	UL measure	VTM-0

环保指标 Environment-Protection Index	FRPC1
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
全氟辛烷磺酸 PFOS	N.D
全氟辛烷(铵) PFOA	N.D

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