



JIUJIANG XINXING INSULATION MATERIAL CO.,LTD

九江鑫星绝缘材料有限公司

TECHNICAL DATA SHEET

NAME 名称	UNSATURATED POLYESTER GLASS MAT SHEET TYPE UPGM203/GPO-3 不饱和聚酯树脂层压板UPGM203/GPO-3			
INSPECTION ITEM 检测项目	UNIT 单位	TEST METHOD 测试方法	STANDARD VALUE 标准值	TYPICAL VALUE 典型值
Flexural strength perpendicular to laminations A: Under normal conditions E-1/130: Under 130±2°C 垂直层向弯曲强度	MPa	ISO 178	≥130 ≥ 65	205 134
Impact strength parallel to lamination (Izod, notched) 平行层向冲击强度 (悬臂梁, 缺口样)	kJ/m ²	ISO 180	≥35	56
Electric strength perpendicular to laminations (in oil, 90±2°C), 2 mm in thickness 垂直层向电气强度 (90±2°C油中), 板厚2 mm	kV/mm	IEC 60243	≥10.5	12.5
Breakdown voltage parallel to laminations (in oil, 90±2°C) 平行层向击穿电压 (90±2°C油中)	kV	IEC 60243	≥35	80
Water absorption (4 mm in thickness) 吸水性 (板厚4 mm)	mg	ISO 62	≤63	31
Insulation resistance after 24 h water immersion, D-24/23 浸水24 h后绝缘电阻, D-24/23	MΩ	IEC 60167	≥5.0×10 ²	6.5×10 ⁵
Comparative tracking index (CTI) 相比漏电起痕指数	V	IEC 60112	≥500	600
Tracking and erosion resistance 耐电痕化及蚀损	Class	IEC 60587	1B 2.5	Pass
Density密度	g/cm ³	ISO 1183	1.70-1.90	1.86
Flammability 燃烧性	Class	IEC 60695	V0	V0
Compressive strength perpendicular to laminations 垂直层向压缩强度	MPa	ISO 604		300
Tensile strength拉伸强度	MPa	ISO 527		85
Arc resistance耐电弧	s	IEC 61621		180
Thermal endurance耐热性	TI	IEC 60216		130