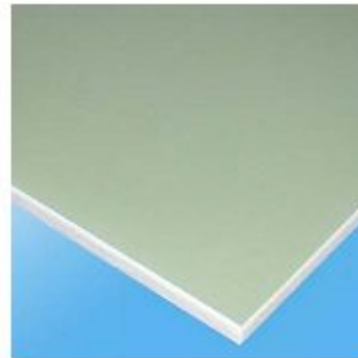


**EPOXY GLASS CLOTH LAMINATED SHEET**

**FEATURE AND APPLICATION:** FR-4 Epoxy glass cloth laminated sheet is made of alkali-free E-glass cloth impregnated with epoxy resins by processing under heat and pressure.This product having sky-high mechanical capability at middling temperature, stable dielectric capability under high temperature.It can be used machine,electric sets and electron industry.

**Type:** EPGC201(G-10) , EPGC202(FR-4)



**SPECIFICATION:**

项 目 Item	单位 Unit	指标 Value	
		G10	FR4
密度 Density	g/cm <sup>3</sup>	1.7~1.9	1.7~1.9
垂直层向弯曲强度, 常态 Flexural strength perpendicular to lamination under normal conditions	MPa	350	350
粘合强度, 板厚≥10mm Bonding strength (≥10mm in thickness)	N	6500	6500
平行层向冲击强度 (简支梁) Impact strength parallel to lamination (charpy)	kJ/m <sup>2</sup>	37	37
垂直层向耐电压强度, 于 90±2℃变压器油中 1 分钟 Voltage endurance perpendicular to lamination in transformer oil 1 min at 90±2℃, 板厚 Thickness: 1.0mm	kV/mm	14.2	14.2
平行层向耐电压, 常态 Voltage endurance parallel to lamination under normal conditions	kV	45	45
浸水后绝缘电阻 Insulation resistance after impregnated in water	MΩ	5×10 <sup>4</sup>	5×10 <sup>4</sup>
介质损耗因数 Dissipation factor	—	0.04	0.04
50Hz:	—	0.04	0.04
1MHz:	—	0.04	0.04
相对介电系数 Relative dielectric constant	—	5.5	5.5
50Hz:	—	5.5	5.5
1MHz:	—	5.5	5.5
吸水性 Water absorption rate	%	0.25	0.25
阻燃性 Flammability	—	—	FV0

标称面积: 1020×1220mm; 1020×2040mm; 1220×2440mm

Area of the sheets:1020×1220mm;1020×2040mm;1220×2240mm