

Description

EP203 is made by impregnated fiberglass cloth with thermal epoxy resin laminate conforming EPGC 203 acc. IEC 60893. Better heat resistance with high insulation resistance after immersion in water, higher mechanical strength in high temperature and good electrical stability in high humidity.

Application

Typical applications include insulation in power generation equipment and other structural part.

Availability

Thickness: 0.2 mm ~ 50 mm

Dimension: 1020 x 1220 mm, 1220 x 2440 mm.

Color: Green, yellow, black.

Specification Data Sheet

Properties/Items	Method	Unit	EP203
Density	ISO 1183 / A	g/cm ³	2.0
Flexural strength	ISO 178 (23 °C)	MPA	380 min.
Flexural modulus of elasticity	ISO 178	MPA	25000 min.
Tensile strength	ISO 527	MPA	320 min.
Compressive strength perpendicular	ISO 604	MPA	360 min.
Impact strength (Charpy) parallel	ISO 179/3C	kJ/m ²	45 min.
Electric strength perpendicular	IEC 60243-1 (90°C in oil)	KV/mm	10.6 min.
Breakdown voltage parallel	IEC 60243-1 (90°C in oil)	KV	45 min.
Insulation resistance after immersion	IEC 60167 (in water)	MOhm	5x10 ⁵ min
Comparative tracking index CTI	IEC 60112	CTI	200 min
Thermal endurance	IEC 60216	°C	180 min
Water Absorption	ISO 62	%	0.2 max
Flame Retardant	UL 94		HB

The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values of a large number of tests. The results obtained on these tests specimens cannot be applied to finished parts without reservations, as behaviour is influenced by processing and shaping.