



Epoxy Glass Roving Sheet EP GC 205-H

IEC 60893 Type EP GC 205 Class H (Epoxy resin, ROVING cloth)

Mechanical Properties				
		Unit	Value	Test Method
	Density	g/cm ³	1,8 - 1,9	ISO 1183
	Glass content	%	65	ISO 1172
	Water absorption	mg	20	ISO 62
	Flexural Strength \perp to laminations at 23°C	MPa	600	ISO 178
	Flexural Strength \perp to laminations at 150°C	MPa	350	ISO 178
	Flexural Strength \perp to laminations at 23°C, after ageing 30 days at 180°C	MPa	485	ISO 178
	Tensile Strength at 23°C	MPa	350	ISO 527
	Compressive strength // to laminations at 23°C	MPa	550	ISO 604
	Compressive strength \perp to laminations at 23°C	MPa	400	ISO 604
	Impact strength (Charpy) un-notched // to laminations	KJ/m ²	180	ISO 179
	Impact strength (Charpy) notched // to laminations	KJ/m ²	150	ISO 179
	Splitting load	N	5000	DIN 53463
Electrical Properties				
	Insulating resistance between 2 plugs (24h at 23°C Water)	Ω	10 ⁹	IEC 60167

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	Flat-wise electric strength \perp to laminations (3mm), 90°C in oil	KV	50	IEC 60243
	Breakdown voltage // to laminations, 90°C in oil	KV	70	IEC 60243
	Dissipation factor at 1 MHz		0,02	IEC 60250
	Relative permittivity at 1 MHz		5	IEC 60250
	Comparative tracking Index	V	500	IEC 60112
Thermal Properties				
	Temperature Index	°C	180	IEC 60216
	Thermal class		H	

RoHS Directive

Hazardous products listed in the EU-directive

2002/95/CE (RoHS) ERS directive are not used as ingredients in this material.

Applications: Used in Electrical Industries for manufacturer of Generators, Transformers, etc.

Availability: In Sheets, tubes, rods or Machined Parts. We specialize in Machined Parts mainly.

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