

HGW 2370.4

EP GC 205

G 11

Product description	Epoxy resin bounded glass roving fabric
Main applications	Electrical insulation parts for machine engineering and process industry with high mechanical strength at high temperature
Delivery program	Sheets, panels and highly precise machined parts and finished components

Properties	Test Standard	Unit	Typical value
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Physical characteristics

Specific gravity	ISO 1183	g/cm ³	2
Water absorption	ISO 62	%	0,3

Thermal characteristics

Temperature Index	IEC 216	°C	180
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Mechanical characteristics

Compressive strength at 23 °C	ISO 604	N/mm ²	550
Flexural strength at 23 °C	ISO 178	N/mm ²	470
Modul of elasticity	ISO 178	N/mm ²	21000
Tensile strength	ISO 527	N/mm ²	320
Shearing strength parallel to lamination direction	EN 60893	N/mm ²	50

Electrical characteristics

Comparative tracking index	IEC 112	-	CTI 200
Permittivity	DIN 53483	-	4,5
Electrical insulation resistance after immersion in water	IEC 167	Ω	2 x 10 ¹⁰
Electric strength (⊥)	IEC 243-1	KV/3mm	45
Electric strength ()	IEC 243-1	KV/25mm	60
Flammability class	UL 94	-	-

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The standard values shown in this data sheet are measured by standard test methods. Depending on operation terms and dimensions the material properties can differ from these values. Please contact our applications and sales engineers to clarify the suitability of the material for your application.