

HGW 2375.4

EP GC 22

Product description	Tubes of epoxy resin bounded glass fabric
Main applications	Electrical insulation parts for machine engineering and process industry with high mechanical strength at high temperature
Delivery program	Tubes 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/cm³	1,8
Water absorption	ISO 62	%	0,16

Thermal characteristics

Temperature Index	IEC 216	°C	155
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Mechanical characteristics

Compressive strength at 23°C	ISO 604	N/mm²	175
Flexural strength at 23°C	ISO 178	N/mm²	300
Cohesion between layers	EN 61212	N/mm²	200

Electrical characteristics

Permittivity	DIN 53483	-	5,2
Electrical insulation resistance after immersion in water	IEC 167	Ω	1 x 10⁹
Electric strength (⊥)	IEC 243-1	KV/3mm	23,1
Electric strength ()	IEC 243-1	KV/25mm	40
Flammability class	UL 94	-	-

Issue: Nov.08

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.