

# HGW 2372

## EP GC 201

### G 10

Product description	Epoxy resin bounded glass fabric
Main applications	Electrical insulation parts for machine engineering and process industry with high mechanical strength at moderate 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 <sup>3</sup>	1,85
Water absorption	ISO 62	%	0,2

#### *Thermal characteristics*

Temperature Index	IEC 216	°C	130
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#### *Mechanical characteristics*

Compressive strength at 23 °C	ISO 604	N/mm <sup>2</sup>	350
Flexural strength at 23 °C	ISO 178	N/mm <sup>2</sup>	340
Modul of elasticity	ISO 178	N/mm <sup>2</sup>	24000
Tensile strength	ISO 527	N/mm <sup>2</sup>	300
Shearing strength parallel to lamination direction	EN 60893	N/mm <sup>2</sup>	30

#### *Electrical characteristics*

Comparative tracking index	IEC 112	-	CTI 200
Permittivity	DIN 53483	-	5,5
Electrical insulation resistance after immersion in water	IEC 167	Ω	5 x 10 <sup>10</sup>
Electric strength (⊥)	IEC 243-1	KV/3mm	30
Electric strength (  )	IEC 243-1	KV/25mm	35
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.