

Product Data Sheet EP GC 201 ASF

Property	Method of test	Unit	max. or min.	Ref. value DIN – EN 60893-3-2	Test value (median)
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Mechanical properties

Flexural stress at rupture perpendicular to laminations	ISO 178	MPa	min.	340	463.87
Apparent modulus of elasticity in flexure	ISO 178	MPa	min.	22000*	24392
Compressive strength perpendicular to laminations	ISO 604	MPa	min.	350*	
Impact strength (Charpy) parallel to laminations	ISO 179/3C	kJ/m ²	min.	42	111.89
Tensile strength	ISO 527-4	MPa	min.	300*	365.74

Electrical properties

specific volume resistance	IEC 60093	Ωm	between	10⁹>ρ>10³	5.48 x 10 ⁵
specific surface resistance	IEC 60093	Ω	between	10¹²>σ₀>10⁶	7.31 x 10 ⁷
Comparative tracking index CTI	IEC 60112	CTI	min.	200*	200

Other properties

Density	ISO 1183	g/cm ³		1.8 - 2.0*	1.899
Water absorption	ISO 62	mg	max.	23***	7.90

Base material: fibre glass cloth
Matrix resin: epoxy (epoxide)
Special feature: derivation of electrostatic charges

* Typical values as per VDE 0318, part 4. They shall not be considered as specification requirements
*** for test specimens 50 x 50 x 4 mm

Test values are derived from an average type test

RoHS-Declaration

This material does not contain any substances of very high concern as listed in the **EU directive 2011/65/EU**, article 4, paragraph 1