

Product Data Sheet EP GC 21

Property	Method of testing	Unit	max. or min.	Ref. Value IEC 61212-3-1	Test value (median)
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Mechanical properties

Flexural stress at rupture, perpendicular to laminations	ISO 178	MPa	min.	300	
Compressive strength parallel to laminations (axial)	ISO 604	MPa	min.	175	211,75
Cohesion between layers	IEC 61212-2	MPa	min.	200	519,66

Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	7,7	9,38
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	40	50
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	1.000	57.400
Proof tracking index PTI	IEC 60112	PTI			
Comparative tracking index CTI	IEC 60112	CTI	min.		
Tracking resistance	IEC 60112	Klasse	min.		

other properties

Thermisches Langzeitverhalten	IEC 60216	T.I.		130*	
Dichte	ISO 1183	g/cm ³		1,7 - 1,9*	1,777
Wasseraufnahme	ISO 62	mg/cm ²	max.	1,5	0,24

Base material Woven glass cloth
Matrix resin: Epoxy (epoxide)

* Are typical values intended to give only general guidance and are not to be considered as requirement of this standard.

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