

## Product Data Sheet EP GC 22 WK H

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.	<b>300</b>	
Compressive strength parallel to laminations (axial)	ISO 604	MPa	min.	<b>175</b>	206,33
Cohesion between layers	IEC 61212-2	MPa	min.	<b>200</b>	441,32

### Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	<b>7,7</b>	11,48
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	<b>40</b>	50
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	<b>1.000</b>	137.000
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.		180*	
Dichte	ISO 1183	g/cm <sup>3</sup>		1,7 - 1,9*	1,711
Wasseraufnahme	ISO 62	mg/cm <sup>2</sup>	max.	<b>1,5</b>	0,21

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