

## Product Data Sheet PF CC 22

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

Flexural stress at rupture, perpendicular to laminations	ISO 178	MPa	min.	<b>80</b>	87,11
Compressive strength parallel to laminations (axial)	ISO 604	MPa	min.	<b>100</b>	134,06
Cohesion between layers	IEC 61212-2	MPa	min.	<b>90</b>	137,82

### Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	<b>1,6</b>	3,53
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	<b>10</b>	10
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	<b>2</b>	5
Proof tracking index PTI	IEC 60112	PTI			
Comparative tracking index CTI	IEC 60112	CTI	min.		
Tracking resistance	IEC 60112	Klasse	min.		

### other properties

Thermal endurance	IEC 60216	T.I.		120*	
Density	ISO 1183	g/cm <sup>3</sup>		1,15 - 1,35*	1,239
Water absorption, absolute	ISO 62	mg/cm <sup>2</sup>	max.	<b>10</b>	6,06
coefficient of friction $\mu$					0,272
linear rate of wear		mg/km			2,55

Base material Coarse woven cotton cloth  
Matrix resin: Phenolic

\* 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