

## Product Data Sheet PF CC 201

Property	Method of test	Unit	max. or min.	Ref. Value IEC 60893-3-4	Test value (median)
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### Mechanical properties

Flexural stress at rupture perpendicular to laminations	ISO 178	MPa	min.	<b>100</b>	129
Apparent modulus of elasticity in flexure	ISO 178	MPa	min.	7000*	6902
Compressive strength perpendicular to laminations	ISO 604	MPa	min.	-	290,94
Impact strength (Charpy) parallel to laminations	ISO 179/3C	kJ/m <sup>2</sup>	min.	<b>8,8</b>	22,46
Shearing strength parallel to laminations	VDE 0318/2	MPa	min.	25*	52,83
Tensile strength	ISO 527-4	MPa	min.	80*	92,48

### Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	<b>0,5**</b>	1,66
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	<b>1</b>	5
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	<b>1</b>	20,10
Comparative tracking index CTI	IEC 60112	CTI	min.	100*	150

### other properties

Thermal endurance	IEC 60216	T.I.		120*	
Density	ISO 1183	g/cm <sup>3</sup>		1,3 - 1,4*	1,372
Water absorption 50 x 50 x 10	ISO 62	mg	max.	319***	207,80
Fire behaviour and fire side effects	DIN 5510 T.2				S4; SR2; ST2
smoke gas toxicity	DIN 5510 An. C	FED		< 1	0,21

Base material Woven cotton cloth  
Matrix resin: Phenolic

\* Typical values as per IEC 60893-4. They shall not be considered as specification requirements.

\*\* for thickness  $\geq 3,0$  mm

\*\*\* for test specimens 50 x 50 x 10 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