

## Product Data Sheet PF CC 204

2150171

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>	149,06
Apparent modulus of elasticity in flexure	ISO 178	MPa	min.	7000*	7448
Compressive strength perpendicular to laminations	ISO 604	MPa	min.		340,1
Impact strength (Charpy) parallel to laminations	ISO 179/3C	kJ/m <sup>2</sup>	min.	<b>6</b>	21,93
Shearing strength parallel to laminations	VDE 0318/2	MPa	min.	20*	50,1
Tensile strength	ISO 527-4	MPa	min.	80*	87,58

### Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	<b>4**</b>	6,97
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	<b>20</b>	30
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	<b>50</b>	6.255
Proof tracking index PTI	IEC 60112	PTI			
Comparative tracking index CTI	IEC 60112	CTI	min.	100*	120
Tracking and erosion resistance	IEC 60112	Class	min.		

### other properties

Thermal endurance	IEC 60216	T.I.		120	
Density	ISO 1183	g/cm <sup>3</sup>		1,3 - 1,4*	1,376
Water absorption	50 x 50 x 10 ISO 62	mg	max.	209***	166,90

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