

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.	100	130
Apparent modulus of elasticity in flexure	ISO 178	MPa	min.	7000*	7700
Compressive strength perpendicular to laminations	ISO 604	MPa	min.	-	280
Impact strength (Charpy) parallel to laminations	ISO 179/3C	kJ/m ²	min.	8,8	10
Shearing strength parallel to laminations	VDE 0318/2	MPa	min.	25*	40
Tensile strength	ISO 527-4	MPa	min.	80*	80

Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	0,5	0,9
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	1	2,5
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	1	10
Comparative tracking index CTI	IEC 60112	CTI	min.	100*	140

other properties

Thermal endurance	IEC 60216	T.I.		120*	
Density	ISO 1183	g/cm ³		1,3 - 1,4*	1,37
Water absorption, absolute	ISO 62	mg	max.	319***	280
Fire behaviour and fire side effects	DIN 5510 T.2				S4; SR2; ST2

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 declared in regulation 2011/65/EU and 2015/863/EU.

REACH- Declaration

This material does not contain any substances of very high concern [SVHC] with state of 10.06.2022.