

Product Data Sheet PF CC 21 K45

Property	Method of testing	Unit	max. or min.	Ref. Value	Test value (median)
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Mechanical properties

Flexural stress at rupture, perpendicular to laminations	ISO 178	MPa	min.	100	
Compressive strength parallel to laminations (axial)	ISO 604	MPa	min.	180	200,41
Cohesion between layers	IEC 61212-2	MPa	min.	150	153,61

Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	1,6	3,36
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	25	25
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	20	3.450
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 ³		1,15 - 1,35	1,324
Water absorption, absolute	ISO 62	mg/cm ²	max.	5	2,71

Base material Very fine woven cotton cloth
Matrix resin: Phenolic

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