

## Product Data Sheet PF CC 201 + Graphit

Property	Method of test	Unit	max. or min.	Nominal Value	Test value (median)
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### Mechanical properties

Flexural stress at rupture perpendicular to laminations	ISO 178	MPa	min.	100	A 133,67 B 136,07
Apparent modulus of elasticity in flexure	ISO 178	MPa	min.	7000	A 7450 B 7198
Compressive strength perpendicular to laminations	ISO 604	MPa	min.	200	298,32
Impact strength (Charpy) parallel to laminations	ISO 179/3C	kJ/m <sup>2</sup>	min.	20	A 25,44 B 23,29
Shearing strength parallel to laminations	VDE 0318/2	MPa	min.	30	A 45,03 B 47,52
Tensile strength	ISO 527-4	MPa	min.	60	A 81,87 B 73,94

### Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	0,5	0,66
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	1	2
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	1	10
surface resistance RT antstatic		MOhm	max.	10.000	3552
Comparative tracking index CTI	IEC 60112	CTI	min.	100	150
Tracking and erosion resistance	IEC 60112	Klasse	min.		

### other properties

Thermal endurance	IEC 60216	T.I.		120	
Density	ISO 1183	g/cm <sup>3</sup>		1,3 - 1,4	1,390
Water absorption, absolute	ISO 62	%	max.	1,5	0,76
coefficient of friction $\mu$					0,218
linear rate of wear		mg/km			2,21

Base material Woven cotton cloth  
Matrix resin: Phenolic with graphite additive

### 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