

Product Data Sheet MF CC 201

1410058

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

Flexural stress at rupture perpendicular to laminations	ISO 178	MPa	min.	70	A 180,25 B 100,39
Apparent modulus of elasticity in flexure	ISO 178	MPa	min.	5000*	A 13239 B 8203
Compressive strength perpendicular to laminations	ISO 604	MPa	min.	90*	
Impact strength (Charpy) parallel to laminations	ISO 179/3C	kJ/m ²	min.	3	A 13,82 B 7,02
Shearing strength parallel to laminations	VDE 0318/2	MPa	min.	8*	
Tensile strength	ISO 527-4	MPa	min.	60*	A 134,88 B 62,20

Electrical properties

Electric strength at 90°C in oil perpendicular to laminations	IEC 60243-1	kV/mm	min.	4**	2,61
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60243-1	kV	min.	15	10
Insulation resistance after immersion in water	IEC 60167	MOhm	min.	10	1.142
Proof tracking index PTI	IEC 60112	PTI		500	600
Comparative tracking index CTI	IEC 60112	CTI	min.	500*	600
Tracking and erosion resistance	IEC 60112	Klasse	min.		

other properties

Thermal endurance	IEC 60216	T.I.		130*	
Flammability	IEC 60707			V 0	
Density	ISO 1183	g/cm ³		1,3 - 1,5*	1,511
Water absorption, absolute	ISO 62	mg	max.	169***	203,50

Base material: Woven cotton cloth
Matrix resin: Melamine

* 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 4 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