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Datasheet AIMFCC201



AI MF CC 201 is a melamine strengthened- cotton cloth -based composite material

Application

Material

Melamine strengethened cotton cloth- based composite

Availablity

	Value	Unit
Sheet thickness	on request	
Sheet size	on request	





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AIMFCC201 - Specifications

Physical properties

	Test standard	Value	Unit
Density		1,4	g/cm³
Water absorption at 23 °C		305	mg
Flammability		on request	

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		60	MPa
Shear strength		8	MPa
Impact strength		3	kJ/m³
Flexural strength		70	MPa
Insulation resistance		on request	
Elastic modulus from bending test		5.000	MPa
Compressive strenth perpendicular		90	MPa
Izod impact strength, parallel with layers		on request	

Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)		130	T.I.

Friction properties

	Test standard	Value	Unit

Electrical properties

	Test standard	Value	Unit
Dielectric strength perpendic thickness 3 mm		4	kV/mm
Resistance to tracking (CTI)		500	CTI
Permittivity 50Hz		8	[-]
Permittivity 1MHz		8	[-]
Dissipation factor 50Hz		0,03	[-]
Dissipation factor 1 MHz		0,03	[-]
Insulation resistance after submersion in water		10	MΩ

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