



Datasheet AIMFCC201



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

Application

Material

Melamine strengethened cotton cloth- based composite

Availability

	Value	Unit
Sheet thickness	on request	
Sheet size	on request	



## AIMFCC201 - Specifications

### Physical properties

	Test standard	Value	Unit
Density		1,4	g/cm <sup>3</sup>
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/m <sup>3</sup>
Flexural strength		70	MPa
Insulation resistance		on request	
Elastic modulus from bending test		5.000	MPa
Compressive strength 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
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### Electrical properties

	Test standard	Value	Unit
Dielectric strength perpendicular 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