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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	





The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.



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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	СТІ
Permittivity 50Hz		8	[-]
Permittivity 1MHz		8	[-]
Dissipation factor 50Hz		0,03	[-]
Dissipation factor 1 MHz		0,03	[-]
Insulation resistance after submersion in water		10	ΜΩ

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