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## **Datasheet AIMFGC201**



Al MF GC 201 Is a melamine-based composite material reinforced with glass fabric. High arc resistance and tracking resistance. Flame-resistant. Self-extinguishing.

## **Application**

#### **Material**

Glass tissue strengthened melamine-based composite material.

## **Availablity**

	Value	Unit
Sheet thickness	0,15-150	mm
Sheet size	1250×1250/2500	mm





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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# **AIMFGC201 - Specifications**

## **Physical properties**

	Test standard	Value	Unit
Density	ISO 1183-A	2	g/cm³
Water absorption at 23 °C	ISO 62-1	190	mg
Flammability	IEC 60695-11-10	V-0	[-]

#### **Mechanical properties**

P. P. S.			
	Test standard	Value	Unit
Compressive strength static	ISO 604	450	MPa
Module of elasticity - Youngs modulus	ISO 178	18000	МРа
Tensile strength	ISO 527	250	МРа
Shear strength		on request	
Impact strength		on request	
Flexural strength		on request	
Insulation resistance		on request	
Elastic modulus from bending test		on request	
Compressive strenth perpendicular		on request	
lzod impact strength, parallel with layers	ISO 180/2A	60	kJ/m²
Shear strength parallel	ISO 60893-2	30	MPa

## Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)	IEC 60216	130	δC

## **Friction properties**

	Test standard	Value	Unit
	rest standard	varue	oc

# **Electrical properties**

	Test standard	Value	Unit
Dielectric strength perpendic thickness 3 mm		on request	
Resistance to tracking (CTI)	IEC 60112	600	СТІ
Permittivity 50Hz	IEC 60250	5,5	[-]
Permittivity 1MHz	IEC 60250	0	[-]
Dissipation factor 50Hz	IEC 60250	0,01	[-]
Dissipation factor 1 MHz	IEC 60250	0	[-]
Insulation resistance after submersion in water	ISO 60167	100	ΜΩ

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