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## **Datasheet AIEPGC310**



Al EP GC 310 Can be describe as an all-in-one material. The carefully composed resins combine with the glass base result not only in exceptional resistance, but also amazing electrotechnical properties. Suitable for countless applications.

## **Application**

Electrical and mechanical application with flammability UL 94 V-0 with halogen-free flame protection V-0

## Material

Epoxy with woven glass cloth 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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# **AIEPGC310 - Specifications**

## **Physical properties**

	Test standard	Value	Unit
Density		1,9	g/cm³
Water absorption at 23 °C		34	mg
Flammability		V-0	[-]

#### **Mechanical properties**

Notifical properties			
	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		300	MPa
Shear strength		30	MPa
Impact strength		on request	
Flexural strength		on request	
Insulation resistance		on request	
Elastic modulus from bending test		22000	MPa
Compressive strenth perpendicular		350	MPa
Izod impact strength, parallel with layers		42	Kj/m²
Shear strength parallel		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 perpendic thickness 3 mm		on request	
Resistance to tracking (CTI)		200	СТІ
Permittivity 50Hz		5,5	[-]
Permittivity 1MHz		5,5	[-]
Dissipation factor 50Hz		0,04	[-]
Dissipation factor 1 MHz		0,04	[-]
Insulation resistance after submersion in water		50.000	ΜΩ

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