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Datasheet AIEPCP201



AI EP CP 201 is a composite with paper as a base, strengethened with epoxy

Application

Material

Epoxy strengethened paper -based composite

Availablity

	Value	Unit
Sheet thickness	on request	
Sheet size	on request	





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AIEPCP201 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ISO 1183-A	1,35	g/cm³
Water absorption at 23 °C		on request	
Flammability		on request	

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		80	MPa
Shear strength		on request	
Impact strength		on request	
Flexural strength		110	MPa
Insulation resistance		on request	
Elastic modulus from bending test		6.000	MPa
Compressive strenth perpendicular		160	MPa
Izod impact strength, parallel with layers		on request	
Shear strength parallel		on request	

Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)		110	T.I.

Friction properties

	Test standard	Value	Unit

Electrical properties

	Test standard	Value	Unit
Dielectric strength perpendic thickness 3 mm		13	kV/mm
Resistance to tracking (CTI)		100	CTI
Permittivity 50Hz		5	[-]
Permittivity 1MHz		5	[-]
Dissipation factor 50Hz		0,05	[-]
Dissipation factor 1 MHz		0,05	[-]
Insulation resistance after submersion in water		10.000	MΩ

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