

## Datasheet AIPFCP201



AI PF CP 201 is suitable for construction material with high mechanical properties but the lowest electrical properties of all AIPFCP types.

### Application

### Material

Paper strengthened phenol-based composite.

### Availability

	Value	Unit
Sheet thickness	on request	
Sheet size	on request	



## AIPFCP201 - Specifications

### Physical properties

	Test standard	Value	Unit
Density	DIN EN 60893	1.3-1.4	g/cm <sup>3</sup>
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		100	MPa
Shear strength		on request	
Impact strength		on request	
Bending strenght	ISO 178	170	MPa
Flexural strength	DIN EN 60893	120	MPa
Insulation resistance		on request	
Elastic modulus from bending test	DIN EN 60893	7.000	MPa
Compressive strenth perpendicular	DIN EN 60893	300	MPa
Izod impact strength, parallel with layers		on request	
Shear strength parallel	DIN EN 60893	10	MPa

### Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)	DIN EN 60893	120	°C

### Friction properties

	Test standard	Value	Unit
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### Electrical properties

	Test standard	Value	Unit
Dielectric strength perpendic thickness 3 mm	DIN EN 60893	13	kV/mm
Dielectric strength parallel	DIN EN 60893	60	kV min
Resistance to tracking (CTI)		on request	
Permittivity 50Hz		on request	
Permittivity 1MHz	DIN EN 60893	5.5	[-]
Dissipation factor 50Hz		on request	
Dissipation factor 1 MHz	DIN EN 60893	0.05	[-]
Insulation resistance after submersion in water		on request	