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Datasheet AIPFCC23



AE PF CC 23 Is a composite with cotton as its base, outstanding mechanical properties, good durability and low friction are achieved.

Application

Mechanical application very coarse fabric

Material

Phenol strengthened cotton fabric-based composite.

Availablity

	Value	Unit
Rod diameters	on request	
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	on request	





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AIPFCC23 - Specifications

Physical properties

	Test standard	Value	Unit
Density		1,25	g/cm³
Water absorption at 23 °C		13	mg/cm²
Flammability		on request	

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		on request	
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		80	MPa

Thermal properties

	Test standard	Value	Unit
Thermal endurance 20,000 h (T.I)		120	TI

Friction properties

	Test standard	Value	Unit

Electrical properties

	Test standard	Value	Unit
Dielectric strength parallel		on request	
Permittivity 50Hz		on request	
Permittivity 1MHz		on request	
Dissipation factor 50Hz		on request	
Dissipation factor 1 MHz		on request	
Insulation resistance after submersion in water		on request	

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