

Datasheet AE1120FE



Combination AE1120 with metal core unites the advantages and special properties of both materials into one exceptional product which assures optimal and reliable power transmission

Application

Material

Cast nylon + metal core PA6/12.

Availability

	Value	Unit
Rod diameters	80-400	mm
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	1000-3000	mm
Sheet thickness	on request	
Sheet size	1000x2001	

AE1120FE - Specifications

Physical properties

	Test standard	Value	Unit
Density		on request	
Thermal conductivity		on request	
Specific heat capacity		on request	
Moisture absorption at 23°C, 50% RH	on request	on request	
Water absorption at 23 °C		on request	
Flammability		on request	

Mechanical properties

	Test standard	Value	Unit
Tensile strength		on request	
Hardness		on request	
Yield stress		on request	
Elongation at break		on request	
Modulus of elasticity in tension		on request	
Bending modulus		on request	
Flexural strength		on request	
Charpy impact strength +23°C		on request	
Charpy notched impact strength +23°C		on request	
Ball indentation hardness		on request	
Compressive modulus		on request	

Thermal properties

	Test standard	Value	Unit
Min. working temperature		on request	
Max. working temperature		on request	
Intermittent working temperature		on request	
Heat distortion temperature		on request	
Melting temperature		on request	
Thermal coefficient of linear expansion		on request	

Friction properties

	Test standard	Value	Unit
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Electrical properties

	Test standard	Value	Unit
Dielectric constant		on request	
Dielectric loss factor		on request	
Dielectric strength		on request	
Dielectric constant at 1MHZ		on request	

Electrical properties

Volume resistivity		on request	
Surface resistivity		on request	
Resistance to tracking (CTI)		on request	

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