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Datasheet ASN788



The ASN788 material is recommended for use in high load bushings and bearing applications. The material offers market leading frictional properties for composite materials. ASN788 is a high load composite bearing material made from specially manufactured synthetic fabric reinforcement using a composite construction process impregnated with thermosetting resins. Solid lubricant fillers are applied, making them suitable for dry-running applications. The product has a dark grey colour.

Application

Material

Synthetic fiber with polyester resin with friction modifiers.

Availablity

	Value	Unit
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	on request	
Sheet thickness	on request	
Sheet size	on request	
Inside diameter	on request	
Outside diameter	on request	
Flange diameter	on request	
Flange height	on request	
Total length	on request	

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ASN788 - Specifications

Physical properties

	Test standard	Value	Unit
Density		1,30	g/cm³
Water absorption % volumetric	ASTM D570	0,5	%

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		250	MPa
Module of elasticity - Youngs modulus		on request	
Tensile strength		60	MPa
Shear strength		100	MPa
Impact strength		on request	
Hardness		on request	
Dynamic load capacity		60	MPa
Flexural strength		69	MPa

Thermal properties

	Test standard	Value	Unit
Thermal expansion Parallel to laminate		on request	
Thermal expansion Normal to laminate		on request	
Min. working temperature		on request	
Max. working temperature		on request	
Intermittent working temperature		on request	
Heat distortion temperature		140	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		0,08	[-]
Max. sliding speed		on request	
Max. Pv-load dry		on request	
Max. Pv-load oil lubricated		on request	
Max. Pv-load on regular greased		on request	

Electrical properties

	Test standard	Value	Unit

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