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Datasheet ASN988



The ASN988 material is recommended for use in high load bushings and bearing applications. The material offers market-leading frictional properties for composite materials. ASN988 is a high load composite bearing material made from specially manufactured synthetic fabric reinforcement employing a composite construction process impregnated with thermosetting resins. Solid lubricant fillers are added, 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	
Inside diameter	on request	
Outside diameter	on request	
Flange diameter	on request	
Flange height	on request	
Total length	on request	





The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
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ASN988 - Specifications

Physical properties

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

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		350	MPa
Module of elasticity - Youngs modulus		on request	
Tensile strength		70	MPa
Shear strength		on request	
Impact strength		on request	
Hardness		on request	
Dynamic load capacity		on request	

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		160	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		0,08-0,12	[-]
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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