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Datasheet ASN422



ASN422 material is specifically intended for use in high load bushing and bearing applications. ASN422 is a high load composite bearing material manufactured from synthetic fabric reinforcement impregnated with a thermosetting resin. Solid lubricant fillers are used to reduce friction. The product has a red 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	





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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ASN422 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792	1,35	g/cm³

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ASTM D695	350	MPa
Module of elasticity - Youngs modulus		on request	
Tensile strength		60	Mpa
Shear strength	ASTM D3410	100	MPa
Impact strength		>20	IZOD
Hardness		on request	
Dynamic load capacity		70	MPa

Thermal properties

	Test standard	Value	Unit
Thermal expansion Parallel to laminate		5,0	10^-5°C
Thermal expansion Normal to laminate		10,0	10^-5°C
Min. working temperature		on request	
Max. working temperature		100	°C
Intermittent working temperature		140	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	pin-on-ring/dry against steel	0,20-0,29	[-]
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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