ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

Datasheet ASN116



ASN116 is a composite bearing material for medium to high load and high temperature applications. It contains high-strength, continuously wound fibres encapsulated in an internally lubricated, high-temperature filled epoxy resin. ASN116 possesses good shock resistance, excellent chemical resistance, low friction and good anti-wear properties.

Application

Material

Synthetic fiber with epoxy 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.
ASEC Products 2022 ©.

ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

ASN116 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792	1,90	g/cm³

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	
Hardness		on request	
Dynamic load capacity		150	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		180	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	pin-on-ring/dry against steel	0,05-0,15	[-]
Max. sliding speed		on request	
Max. Pv-load dry		2	MPa*m/s
Max. Pv-load oil lubricated		on request	
Max. Pv-load on regular greased		on request	

Electrical properties

	Test standard	Value	Unit

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.
ASEC Products 2022 ©.