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

Datasheet ASN788M



ASN788M is a self-lubricating bearing material. The bearing material is based on synthetic reinforced impregnated fabric with thermoplastic resins. The material is widely applied for mediate and heavy load at slow speed bearings in dry andwet conditions. It is maintenance free dry sliding bearing material. ASN788M bearings can be made cylindrical or with a flange. I hasgood sliding properties at dry and in (sea) water conditions. The bearing material is very wear resistant. It can be supplied as tube, sheet, journal bearings, strip or other shapes on request. ASN788M has a dark grey color.ASN788M is manufactured to document procedures and standards and has Loyds, LRS,BC and ABS approval.

Application

ASN788M is used as materials for bearings for stern tubes, propeller shafts, water pumps and also for marine and offshore equipment but also for general machines.

Material

Synthetic fiber with polyester resin with friction modifiers.

Availablity

	Value	Unit
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	

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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ASN788M - 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
Flatwise compressive strength		220	Mpa
Edgeweise compressive strength		100	Mpa
Tensile strenght	ISO 527-4	40	Mpa
Operating static pressure		80	MPa
Impact strength	ISO 179	80	kJ/m²
Hardness	ISO 2039-2	90	HRM
Max. operating dynamic load		60	MPa

Thermal properties

	Test standard	Value	Unit
Thermal expansion Parallel to laminate		10-5	1/K
Thermal expansion Normal to laminate		5,25x10-5	1/K
Min. working temperature		-30	°C
Max. working temperature		65	°C
Heat distortion temperature		140	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	pin-on-ring/dry against steel	0,08-0,12	[-]

Electrical properties

	Test standard	Value	Unit

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