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Datasheet ASRS60



ASRS60 bearing material is reinforced woven polymer material specially developed for very high loads and has exceptionally high mechanical properties. The material is very tough and resistant to high radial and axial surface pressure. ASRS60 has good wear resistance and is suitable for use in dry, wet and lubricated conditions. ASRS60 has a medium coefficient of friction, is resistant to edge loading and hardly swells in water. ASEC Kunststoffen B.V. recommends that the counter sides are provided with a hardened surface to protect them against wear.

Application

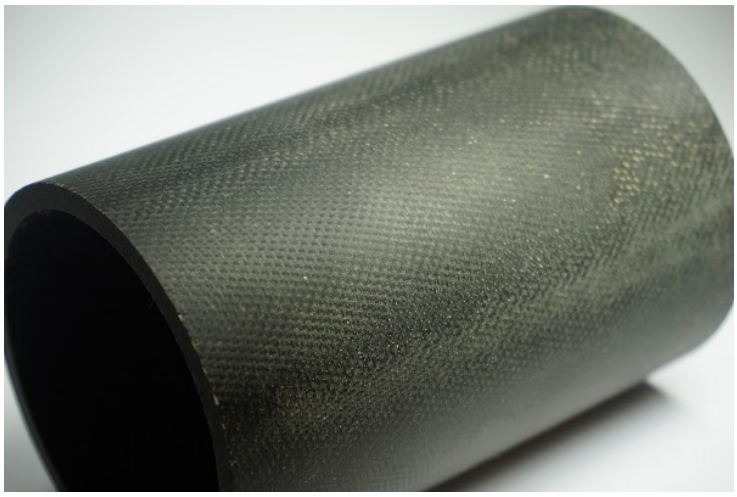
Applied in offshore, steel structures, machines, cranes, hydraulic cylinders and other equipment.

Material

Synthetic fiber with polyester resin with friction modifiers.

Availablity

	Value	Unit
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	500	mm
Sheet thickness	on request	
Sheet size	on request	
Inside diameter	16	mm
Outside diameter	2000	mm
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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ASRS60 - Specifications

Physical properties

	Test standard	Value	Unit
Density		1,91	g/cm³
Max. swell in water at 20 °C	ASTM D570	0,30	%

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ASTM D695	600	MPa
Module of elasticity - Youngs modulus	ASTM D695	20000	MPa
Tensile strength	ASTM D3410	60	MPa
Shear strength	ASTM D3410	80	MPa
Impact strength	ASTM D256	50	kJ/m³
Hardness	ASTM D785	98	Rockwell HRM
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		-40	°C
Max. working temperature		205	°C
Intermittent working temperature		280	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	pin-on-ring	0,30	[-]
Max. sliding speed	Pin-on-ring	2,0	m/s
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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