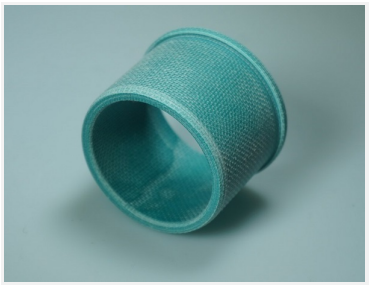
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Datasheet ASRS40



ASRS40 bearing materials are reinforced woven polymer materials specially developed for high loads and smooth running. The material contains an ideal concentration of solid lubricant fillers, giving the best results in areas where reduced friction and wear are required. ASRS40 has exceptional wear resistance and is suitable for use in dry, wet and lubricated conditions. ASRS 40 has a very low coefficient of friction, is resistant to edge loading and will hardly swell in water.

Application

High load sliding bearings, hinge bearing for lock and sluice gates, sliding pads, wear rings, hinges, hydraulic cylinders, material handling, agricultural equipment, low friction

Material

Synthetic fiber with polyester resin with friction modifiers

Availablity

	Value	Unit
Tube inside diameter	20	mm
Tube outside diameter	2500	mm
Length standard	500	mm
Sheet thickness	2,5-200	mm
Sheet size	600x600 (or on request)	mm
Inside diameter	on request	
Outside diameter	on request	
Flange diameter	on request	
Flange height	on request	
Total length	on request	

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ASRS40 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792	1,21	g/cm³
Max. swell in water at 20 °C		0,10	%

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		on request	
Shear strength		80	MPa
Impact strength		on request	
Hardness		98	HRM
Dynamic load capacity		on request	
Charpy notched impact strength +23°C		50	kJ/m²

Thermal properties

	Test standard	Value	Unit
Thermal expansion Parallel to laminate		6,0	[-]
Thermal expansion Normal to laminate		7,0	[-]
Min. working temperature		on request	
Max. working temperature		120	°C
Intermittent working temperature		140	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		on request	
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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