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

Datasheet ASRS41



ASRS41 bearing materials are reinforced woven polymer materials specially developed for high loads and smooth running with the lowest possible friction. The material contains an ideal concentration of polymer, which gives excellent results in areas where reduced friction and wear are required. ASRS41 also features thermoplastic dimples for further friction reduction.

Application

Applied in offshore, dredging, marine, deck equipment, machines, bridges, sluices, hydraulic cylinders and other equipment.

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	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

ASRS41 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792	1,20	g/cm³
Max. swell in water at 20 °C	ASTM D570	0,10	%

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ASTM D695	320	MPa
Module of elasticity - Youngs modulus	ASTM D695	2240	MPa
Tensile strength	ASTM D3410	60	MPa
Shear strength	ASTM D3410	80	MPa
Impact strength	ASTM D256	50	kJ/m³
Hardness	ASTDM D785	98	Rockwell HRM
Dynamic load capacity		on request	

Thermal properties

	Test standard	Value	Unit
Thermal expansion Parallel to laminate	ASTM D696	7,0	10^-5°C
Thermal expansion Normal to laminate		on request	
Min. working temperature		-40	°C
Max. working temperature		200	°C
Intermittent working temperature		220	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		on request	
Max. sliding speed	Pin-on-ring	2,0	m/s
Max. Pv-load dry	pin-on-ring	0,25	MPa*m/s
Max. Pv-load oil lubricated	pin-on-ring	0,50	MPa*m/s
Max. Pv-load on regular greased	pin-on-ring	0,70	MPa*m/s

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 ©.