

## Datasheet ASN605



ASN605 composite bearing material is made from a custom-manufactured synthetic fabric reinforcement impregnated with thermosetting resins and solid lubricant fillers to improve dry running capability. ASN605 has a dark grey colour.

### Application

### Material

Synthetic fiber with polyester resin with friction modifiers.

### Availability

	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	



## ASN605 - Specifications

### Physical properties

	Test standard	Value	Unit
Density		1,35	g/cm <sup>3</sup>

### Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		60	MPa
Shear strength		100	MPa
Impact strength		>20	IZOD
Hardness		on request	
Dynamic load capacity		55	MPa
Flexural strength		69	MPa

### Thermal properties

	Test standard	Value	Unit
Thermal expansion Parallel to laminate		5,0	10 <sup>-5</sup> °C
Thermal expansion Normal to laminate		10,0	10 <sup>-5</sup> °C
Min. working temperature		on request	
Max. working temperature		120	°C
Intermittent working temperature		on request	

### Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		0,14	[-]
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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