

iglidur® W300, bar stock round bar

SFRW-1000



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- For a long service life during continuous operation
- Low coefficient of friction
- Extremely high abrasion resistance
- Suitable for rugged and stainless-steel shafts
- Dirt-resistant

Product description

Introducing the iglidur® W300 round bar, a premium product from the iglidur® family. This lubrication-free bar stock is designed for maintenance-free sliding elements and bearings, making it perfect for various applications, including medical technology and special machine construction. With a low coefficient of friction and exceptional abrasion resistance, it ensures a long service life. Ideal for rugged environments, it is dirt-resistant and compatible with stainless-steel shafts. Experience the flexibility and strength of iglidur® W300 today.

Dimensions

Outer diameter d	10 mm
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Processing instructions

Sawing	undefined undefined
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Electricity attributes

Specific transitional resistance	> 10 ¹³ (DIN IEC93)
Surface resistance	> 10 ¹² (DIN 53482)

Properties and approvals

Certificates and standards (icons)	undefined undefined
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Requirements

FDA compliant	No
EU 10/2011 compliant	No
ESD compliant	No
Mould-resistant according to DIN EN ISO 846 Procedure A	No
RoHS 2 compliant according to EU guideline 2011/65/EU	Yes

Thermal properties

Lower application temperature	-40 °C
Max. long-term application temperature	90 °C
Max. short-term application temperature	180 °C
Thermal expansion coefficient (at 23°C/73°F)	9 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.24 W/(m K)

Mechanical properties

Modulus of elasticity	3500 MPa
Flexural strength (at 20°C/68°F)	100 MPa
Shore D hardness	77.0000
Compressive strength	61 MPa
Max. recommended surface pressure	60 MPa

General properties

Material	iglidur® W300
Density	1.24 g/cm ³
Colour	yellow
Max. moisture absorption	1.3 Wt.-%
Max. total moisture absorption	6.5 Wt.-%
Coefficient of friction, dynamic, against steel	0.08 - 0.23
pv value, max. (dry)	0.23 MPa m/s

Certificates and standards

