

iglidur® J, bar stock round bar

SFRJ-1000



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- Low wear against different shaft materials
- Excellent wear resistance at room temperature
- Very good wear resistance at medium temperatures
- Low coefficient of friction during dry operation
- Vibration-dampening
- Good chemical resistance
- For best performance with soft shaft materials
- Resistant to dirt and dust
- Low moisture absorption

Product description

Discover the iglidur® J round bar, a lubrication-free bar stock designed for creating maintenance-free sliding elements and bearings. Its excellent wear resistance and low friction coefficient make it ideal for various applications, including medical technology and special machine construction. With high compressive strength and flexibility, this versatile material is resistant to dirt, dust, and moisture. Perfect for custom dimensions or urgent prototypes, the iglidur® J round bar is your go-to solution for innovative design needs.

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	-50 °C
Max. long-term application temperature	90 °C
Max. short-term application temperature	120 °C
Thermal expansion coefficient (at 23°C/73°F)	10 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.25 W/(m K)

Mechanical properties

Modulus of elasticity	2400 MPa
Flexural strength (at 20°C/68°F)	73 MPa
Shore D hardness	74.0000
Compressive strength	60 MPa
Max. recommended surface pressure	35 MPa

General properties

Material	iglidur® J
Density	1.49 g/cm³
Colour	yellow
Max. moisture absorption	0.3 Wt.-%
Max. total moisture absorption	1.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.06 - 0.18
pv value, max. (dry)	0.34 MPa m/s

Certificates and standards

