

iglidur® J4, bar stock round bar

SFRJ4-1000



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- Lubrication and maintenance-free
- Low-cost material for mass production
- Low coefficients of friction
- Good media resistance
- Low moisture absorption

Product description

Introducing the iglidur® J4 round bar, a lubrication-free solution for creating maintenance-free sliding elements and plain bearings. This versatile bar stock is designed for optimal performance with low coefficients of friction and excellent wear resistance. Ideal for applications in medical technology, special machine construction, and plant construction, it offers high compressive strength and flexibility. Available in custom dimensions, it's perfect for urgent prototypes and small quantities. Experience the reliability of iglidur® J4 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	-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	2350 MPa
Flexural strength (at 20°C/68°F)	70 MPa
Shore D hardness	74.0000
Compressive strength	55 MPa
Max. recommended surface pressure	35 MPa

General properties

Material	Iglidur® J4
Density	1.48 g/cm³
Colour	grey
Max. moisture absorption	0.3 Wt.-%
Max. total moisture absorption	1.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.06 - 0.20
pv value, max. (dry)	0.30 MPa m/s

Certificates and standards

