

iglidur® J2, bar stock round bar

SFRJ2-3000



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- Good mechanical properties, robust
- Cost-effective
- Good media resistance
- Lubrication and maintenance-free

Product description

Introducing the iglidur® J2 round bar, a versatile solution for creating maintenance-free sliding elements and bearings. Made from robust, lubrication-free materials, it offers excellent wear and friction properties, making it ideal for various applications, including medical technology and special machine construction. With good media resistance and cost-effectiveness, this bar stock is perfect for custom dimensions when standard options are unavailable. Experience reliability and flexibility with the iglidur® J2 round bar.

Dimensions

Outer diameter d	30 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	110 °C
Thermal expansion coefficient (at 23°C/73°F)	7 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.25 W/(m K)

Mechanical properties

Modulus of elasticity	3605 MPa
Flexural strength (at 20°C/68°F)	101 MPa
Shore D hardness	74.0000
Compressive strength	77 MPa
Max. recommended surface pressure	46 MPa

General properties

Material	iglidur® J2
Density	1.44 g/cm ³
Colour	light yellow
Max. moisture absorption	0.2 Wt.-%
Max. total moisture absorption	1.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.11 - 0.27
pv value, max. (dry)	0.23 MPa m/s

Certificates and standards

