

iglidur® J3, bar stock round bar

SFRJ3-1000



iglidur® J3, bar stock round bar

- Specialist for pivoting and pulsating loads
- Excellent wear resistance at room temperature
- Very good wear resistance at medium temperatures
- Good media-resistance
- Low moisture absorption
- PTFE-free
- Resistant to edge pressure
- Resistant to shocks and impacts
- Resistant to dirt and dust

Product description

Introducing the iglidur® J3 round bar, a versatile and lubrication-free solution for creating maintenance-free sliding elements and bearings. Crafted from high-performance material, it excels in wear resistance and is ideal for applications in medical technology, special machine construction, and plant construction. With its excellent coefficients of friction and low moisture absorption, this bar stock is perfect for pivoting and pulsating loads. Experience durability and flexibility with iglidur® J3, tailored to meet your specific needs.

Dimensions

Outer diameter d	10 mm
------------------	-------

Processing instructions

Sawing	undefined undefined
--------	---------------------

Electricity attributes

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

Properties and approvals

Certificates and standards (icons)	undefined undefined
------------------------------------	---------------------



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)	7 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.25 W/(m K)

Mechanical properties

Modulus of elasticity	2700 MPa
Flexural strength (at 20°C/68°F)	70 MPa
Shore D hardness	73.0000
Compressive strength	60 MPa
Max. recommended surface pressure	45 MPa

General properties

Material	iglidur® J3
Density	1.42 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 - 0.20
pv value, max. (dry)	0.50 MPa m/s

Certificates and standards

