

iglidur® R, bar stock round bar

SFRR-3000



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- Cost-effective
- Abrasion-resistant
- Low coefficient of friction during dry operation
- Low moisture absorption
- High media resistance
- Resistant to dirt and dust
- Resistant to edge pressure
- Resistant to shocks and impacts

Product description

Discover the iglidur® R round bar, a versatile and cost-effective solution for creating maintenance-free sliding elements and plain bearings. This lubrication-free bar stock is abrasion-resistant, features a low coefficient of friction, and boasts high media resistance. Ideal for applications in medical technology, special machine construction, and more, it offers exceptional durability against dirt, dust, and shocks. With the option for custom shapes and urgent prototypes, iglidur® R is designed to meet your specific needs efficiently.

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

Mechanical properties

Modulus of elasticity	1950 MPa
Flexural strength (at 20°C/68°F)	70 MPa
Shore D hardness	77.0000
Compressive strength	68 MPa
Max. recommended surface pressure	23 MPa

General properties

Material	iglidur® R
Density	1.39 g/cm ³
Colour	dark red
Max. moisture absorption	0.2 Wt.-%
Max. total moisture absorption	1.1 Wt.-%
Coefficient of friction, dynamic, against steel	0.09 - 0.25
pv value, max. (dry)	0.27 MPa m/s

Certificates and standards

