

iglidur® C500, bar stock round bar

SFRC500-1000



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- High resistance to media and temperature
- Resistant to water vapour
- Good coefficients of wear and friction

Product description

Introducing the iglidur® C500 round bar, a versatile solution for creating maintenance-free sliding elements and bearings. Made from lubrication-free material, it boasts high resistance to media and temperature, along with excellent wear and friction coefficients. Ideal for various applications, including plant construction and the chemical industry, this bar stock is perfect when standard dimensions aren't available. Enjoy the flexibility of custom shapes and urgent prototypes tailored to your 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 ¹⁴ (DIN IEC93)
Surface resistance	> 10 ¹³ (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	-100 °C
Max. long-term application temperature	250 °C
Max. short-term application temperature	315 °C
Thermal expansion coefficient (at 23°C/73°F)	9 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.24 W/(m K)

Mechanical properties

Modulus of elasticity	3300 MPa
Flexural strength (at 20°C/68°F)	100 MPa
Shore D hardness	80.0000
Max. recommended surface pressure	80 MPa

General properties

Material	iglidur® C500
Density	1.37 g/cm ³
Colour	magenta
Max. moisture absorption	0.3 Wt.-%
Max. total moisture absorption	0.5 Wt.-%
Coefficient of friction, dynamic, against steel	0.07 - 0.19
pv value, max. (dry)	0.70 MPa m/s

Certificates and standards

