

iglidur® RW370, bar stock round bar

SFRRW370-4500



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- Complies with fire protection standard DIN EN 45545 HL3, R22/R23
- Flame retardant
- High wear resistance
- Low friction

Product description

Introducing the iglidur® RW370 round bar, a versatile solution for maintenance-free sliding elements and plain bearings. Crafted from high-quality, flame-retardant materials, it complies with the fire protection standard DIN EN 45545 HL3, R22/R23. This bar stock offers exceptional wear resistance and low friction, making it ideal for applications in the railway industry, such as door guides and seat mechanisms. Experience reliable performance without the need for lubrication, ensuring long-lasting durability in every use.

Dimensions

Outer diameter d	45 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	170 °C
Max. short-term application temperature	190 °C
Thermal expansion coefficient (at 23°C/73°F)	5 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.22 W/(m K)

Mechanical properties

Modulus of elasticity	2997 MPa
Flexural strength (at 20°C/68°F)	100 MPa
Shore D hardness	80.0000
Compressive strength	129 MPa
Max. recommended surface pressure	75 MPa

General properties

Material	iglidur® RW370
Density	1.34 g/cm³
Colour	brown
Max. moisture absorption	0.25 Wt.- %
Max. total moisture absorption	1.2 Wt.- %
Coefficient of friction, dynamic, against steel	0.13 - 0.17
pv value, max. (dry)	1.2 MPa m/s

Certificates and standards

