

iglidur® JB, bar stock plates

SFPJB-10-500-300



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- Wear resistant
- Low coefficient of friction
- Low moisture absorption
- Good media resistance

Product description

Introducing the iglidur® JB plate bar stock, a versatile solution for creating maintenance-free sliding elements and plain bearings. This lubrication-free material is wear-resistant, boasts a low coefficient of friction, and has low moisture absorption, making it ideal for various applications, including medical technology and special machine construction. With the option for customized shapes and rapid prototype production, the iglidur® JB bar stock is perfect for projects requiring flexibility and high compressive strength.

Properties and approvals

Certificates and standards (icons)	undefined undefined
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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)

Manufacturing and installation tolerances

Tolerance thickness	+ 0.2mm
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Requirements

FDA compliant	No
EU 10/2011 compliant	No
Mould-resistant according to DIN EN ISO 846 Procedure A	No
ESD compliant	No
RoHS 2 compliant according to EU guideline 2011/65/EU	Yes

Dimensions

Width	300 mm
Length	500 mm
Thickness	10 mm

Thermal properties

Max. long-term application temperature	90 °C
Lower application temperature	-50 °C

Mechanical properties

Modulus of elasticity	2400 MPa
Flexural strength (at 20°C/68°F)	73 MPa
Shore D hardness	74.0000
Compressive strength	73 MPa
Max. recommended surface pressure	35 MPa

General properties

Material	iglidur® JB
Colour	black
Max. moisture absorption	0.3 Wt.-%
Max. total moisture absorption	1.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.11 - 0.27
pv value, max. (dry)	0.34 MPa m/s

Certificates and standards

