

iglidur® W300, bar stock plate strips

SFPW-15-160



iglidur® W300, bar stock plate strips

- For especially long service life
- Low coefficient of friction
- Extremely high wear resistance
- Also suitable for soft shafts
- Resistant to dirt
- Choose the standard length of 1,000mm or have a length cut to size from 100mm

Product description

Discover the iglidur® W300 plate strips, designed for exceptional wear resistance and long service life. This lubrication-free material is perfect for creating maintenance-free sliding elements and bearings, even in harsh environments. The iglidur® W300 is dirt-resistant and compatible with soft shafts, making it versatile for various applications, including automation and woodworking. Available in standard lengths of 1,000mm or customizable from 100mm, it's your go-to solution for reliable performance.

Properties and approvals

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

Electricity attributes

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

Requirements

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

Manufacturing and installation tolerances

Tolerance thickness	+ 0.3mm
---------------------	---------



Dimensions

Width	160 mm
Thickness	15 mm

Thermal properties

Max. short-term application temperature	180 °C
Lower application temperature	-40 °C
Thermal expansion coefficient (at 23°C/73°F)	$9 \text{ K}^{-1} \cdot 10^{-5}$
Heat conductivity	0.24 W/(m K)
Max. long-term application temperature	90 °C

Mechanical properties

Modulus of elasticity	3500 MPa
Flexural strength (at 20°C/68°F)	100 MPa
Shore D hardness	77.0000
Compressive strength	61 MPa
Max. recommended surface pressure	60 MPa

General properties

Material	iglidur® W300
Colour	beige
Max. moisture absorption	1.3 Wt.-%
Max. total moisture absorption	6.5 Wt.-%
Coefficient of friction, dynamic, against steel	0.08 - 0.23

Certificates and standards

