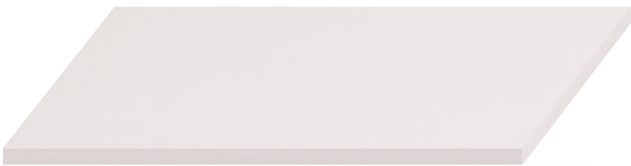


iglidur® A180, bar stock plates

SFPA180-10-500-300



iglidur® A180, bar stock plates

- Complies with food and drug administration (FDA) regulations for repeated contact with food
- Good media-resistance
- For wet environments
- High wear resistance

Product description

Introducing the iglidur® A180 plate bar stock, a versatile solution for maintenance-free sliding elements and plain bearings. This high-performance material is lubrication-free, ensuring excellent wear resistance and flexibility, making it ideal for various applications including medical technology and special machine construction. Compliant with FDA regulations for food contact, it excels in wet environments. With the option for custom shapes and urgent prototypes, the iglidur® A180 is your go-to choice for tailored solutions.

Properties and approvals

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

Processing instructions

Sawing	undefined undefined
--------	---------------------

Electricity attributes

Specific transitional resistance	> 10 ¹²
Surface resistance	> 10 ¹¹ (DIN 53482)

Manufacturing and installation tolerances

Tolerance thickness	+ 0.2mm
---------------------	---------



Requirements

FDA compliant	Yes
EU 10/2011 compliant	Yes
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	2300 MPa
Flexural strength (at 20°C/68°F)	88 MPa
Shore D hardness	76.0000
Compressive strength	78 MPa
Max. recommended surface pressure	28 MPa

General properties

Material	iglidur® A180
Colour	White
Max. moisture absorption	0.2 Wt.-%
Max. total moisture absorption	1.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.05 - 0.23
pv value, max. (dry)	0.31 MPa m/s

Certificates and standards

