

Product: iglidur® I6

General properties: ⁽³⁾

Density:	1.06 g/cm ³
Colour:	white
Saturation with moisture absorption at 23°C / 50% r. h.:	0.8 weight %
Saturation with water:	1.9 weight %

Mechanical properties: ⁽³⁾

Flexural modulus of elasticity:	1100 MPa
Flexural strength:	49 / 38 MPa ⁽⁴⁾
Tensile modulus of elasticity:	1400 MPa
Tensile strength:	31 / 28 MPa ⁽⁴⁾
Maximum surface pressure:	34 MPa
Shore D hardness:	67

Thermal properties:

Upper long-term application temperature ⁽¹⁾ :	80 deg. C
Upper short-term application temperature ^(1), 2) :	140 deg. C
Upper short-term application temperature ^(1), 2) :	150 deg. C
Lower application temperature:	-40 deg. C

Electric properties: ⁽³⁾

Specific volume resistance:	>10 ¹² Ωcm
Surface resistivity:	>10 ¹¹ Ω

⁽¹⁾ Relaxation cannot be precluded

⁽²⁾ Without additional load; no sliding movement

⁽³⁾ Depending on the pressure parameters and construction line

⁽³⁾ Flat / upright sintered

The information on this Product Data Sheet is based on our current knowledge of the specified product. None of the information comprises one or more guarantees on certain properties.

iglidur® I6

Certificate of Conformity

FDA

Dr. Graner & Partner GmbH
Labor für analytische und pharmazeutische Chemie
Sachverständigenbüro

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igus GmbH
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München, 09.09.2020

FDA-Certificate of conformity: Iglidur I6

G 20-522

Client: igus GmbH
Spicher Str. 1a
51147 Köln

Material: Iglidur I6

Manufacturer: igus GmbH

Intended use: The product mentioned above serves as part of machines
in contact with food.

Application requirements: For short-time food contact, repeated use

Validity of this document: 3 years

A partial duplication of this declaration is only allowed with a written permission of the laboratory manager.
This declaration certifies compliance with the Directive, is not an assurance of properties

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Analytik, Entwicklung, Qualitätskontrolle, Beratung, Sachverständigengutachten, amtliche Gegenproben, Mikrobiologie, Arzneimittelzulassung, Abgrenzungsfragen AMG/LFGB

Amtsgericht München Nr. 84402, Geschäftsführer: Dr. Manfred Holz, Alexander Hartmann
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Iglidur I6

Certificate of conformity for material with food contact

The product Iglidur I6 complies with the requirements of the Food and Drug Administration (according see test report no. 2046279 (only partial tests were performed as it is a plastic mixture) and supplier's declaration).

The certificate of conformity refers to the following materials:

- ✓ FDA-Code of Federal Regulation, Title 21 CFR 177.1500(a) (9) "Nylon resins", please notice the restriction in Title 21 CFR 177.1500 (b) (9) (a) and (b)
- ✓ FDA-Code of Federal Regulation, Title 21 CFR 175.300 (resinous and polymeric coatings)
- ✓ FDA-Code of Federal Regulation, Title 21 CFR 177.1550 (Perfluorocarbon resins)

Conditions of use:

The product is suitable for repeated use applications with all food types except food containing more than 8% alcohol and under all conditions except high temperature heat-sterilizing.

Due to the conformity with the regulations mentioned above, the product "iglidur I6" is suitable for the use in the field of application according to the regulations, as long as the intended use is carried out.

Although the product is intended for the food types mentioned above, it is the responsibility of the user to verify its suitability for his own intended food application. We assume no liability for damages caused by a lack of suitability for the type of food application used.

Munich, 09.09.2020


i.O. D. Grewe
(State-certified food chemist)

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iglidur® I6

Certificate of Conformity

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This Certificate of Conformity is valid until: 08.09.2023.

The presence of ubiquitous traces of undesired substances can, however, never be excluded.

This declaration is based on our current knowledge.

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igus® GmbH

Harald Voll

