

Product: iglidur® I8-ESD

15.04.2020

General properties: ³⁾

Density:	1.03 g/cm ³
Colour:	black
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:	2250 / 2060 MPa ⁵⁾
Flexural strength:	63 / 42 MPa ⁵⁾
Tensile strength:	38 / 20 MPa ⁵⁾
Maximum surface pressure:	35 MPa ⁵⁾
Shore D hardness:	72

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:

Specific volume resistance ^{4) 5) 6)} :	2,8x10 ⁷ / 3,4x10 ⁶ Ωxcm
Surface resistivity ^{4) 5) 6)} :	3,6x10 ⁷ / 3,4x10 ⁷ Ω

⁽¹⁾ Relaxation cannot be precluded

⁽²⁾ Without additional load; no sliding movement

⁽³⁾ Depending on the pressure parameters and printing orientation

⁽⁴⁾ The good conductivity of this product might lead to the corrosion of metallic counterparts under certain conditions.

⁽⁵⁾ Flat / upright sintered

⁽⁶⁾ Depending on part geometry

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.

Erstellt: 15.04.2020 / Paul Gomer / Entwicklung Additive
Fertigung

I:\QS\Qmdok\Formular\Allgemein\Entwicklung\F-2-0105 Vorlage Werkstoffdatenblatt.dot

Geändert:

QS-Nr.: F-2-0105-C

Verteiler: Technisches Marketing Energieketten und Gleitlager,
Entwicklung Energieketten und Gleitlager

Seite 1 von 1