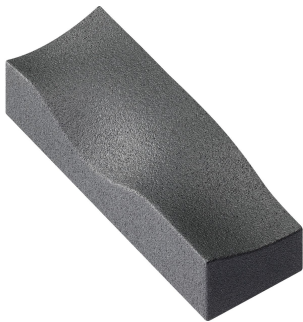
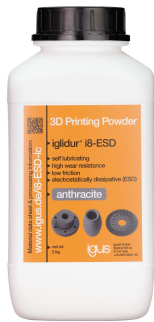


iglidur® i8-ESD, SLS material

I8-ESD-PL-2000



iglidur® i8-ESD, SLS material

- Good wear resistance, even when submerged
- Electrostatic dissipative (ESD)
- Excellent UV resistance

Product description

Introducing iglidur i8-ESD, a premium laser sintering material designed for demanding applications. This electrostatically dissipative (ESD) material ensures the protection of sensitive electronic components, making it ideal for the electronics industry. With excellent abrasion resistance and increased rigidity, it performs well in various environments, including underwater and high humidity. Available in sleek black, iglidur i8-ESD is compatible with all SLS systems, offering versatility for your projects.

Dimensions

Net weight	2000 g
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General properties

Colour	black
Density	1.03 g/cm³
Max. moisture absorption	0.8 Wt.-%
Max. total moisture absorption	1.9 Wt.-%

Thermal properties

Max. long-term application temperature	80 °C
Max. short-term application temperature	140 °C
Lower application temperature	-40 °C

Dynamic properties

Coefficient of sliding friction, dynamic, against Cf53 steel	0.2500
Coefficient of friction, dynamic, against 304 stainless steel	0.2700
Max. recommended surface pressure	35 MPa



Properties and approvals

Food industry	No
PFAS-tested	No
ESD compliant	Yes

Mechanical properties

Tensile strength printed flat	38 MPa
Tensile strength printed upright	20 MPa
Flexural strength printed flat	63 MPa
Flexural strength printed upright	42 MPa
Modulus of elasticity printed flat	2250 MPa
Modulus of elasticity printed upright	2060 MPa
Shore D hardness	72.0000

Certificates and standards

