

Glass-Filled Fine Polyamide PA 3200

Material for the SLS process

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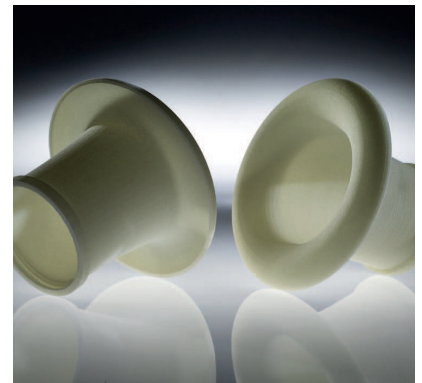
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Technical Data Sheet

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Features, benefits and applications

- Ideal for housings and thermally stressed parts
- Add some colour with Ogle's unique ColourPro technology
- For a more attractive and smoother surface texture, use Ogle's Vibro finishing service



General Material Properties

Measurement	Condition	Value
Density of Laser Sintered Part	EOS-Method	1.23-1.28g/cm ³

Mechanical Properties

Measurement	Condition	Value
Tensile Modulus	DIN EN ISO 527	3200 ±200 MPa
Tensile Strength	DIN EN ISO 527	48 ±3MPa
Elongation at Break	DIN EN ISO 527	6 ±3%
Flexural Modulus	DIN EN ISO 178	2900 ±150 MPa
Impact Strength (Charpy)	DIN EN ISO 179	35 kJ/m ²
Notched Impact Strength (Charpy)	DIN EN ISO 179	5.4 kJ/m ²
Impact Strength (Izod)	DIN EN ISO 180	21.3 kJ/m ²
Notched Impact Strength (Izod)	DIN EN ISO 180	4.2 kJ/m ²
Hardness, Shore D	DIN 53505	80

Thermal Properties

Measurement	Condition	Value
Melting Point	DIN 53736	172-180°C
Vicat Softening Temperature B/50	DIN EN ISO 306	166°C
Vicat Softening Temperature A/50	DIN EN ISO 306	179°C
Glass Transition (TG)	-	+140°C

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