

Polyamide PA 2200

Material for the SLS process

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Technical Data Sheet

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Features, benefits and applications

- Non-porous, so eliminating the need to seal the surface in components used with liquids
- Increased flexibility in the design and development process
- For a more attractive and smoother surface texture, use Ogle's Vibro finishing service

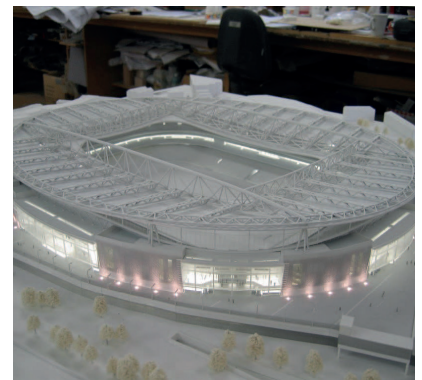
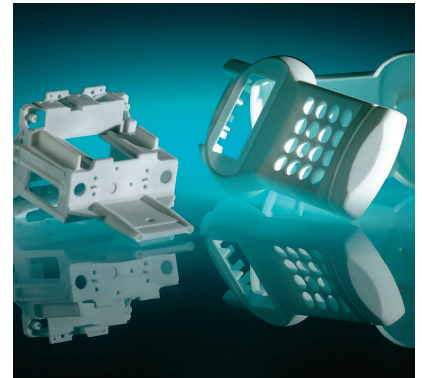


Machines

- Available on P100, P770 & P730 SLS machines

General Material Properties		
Measurement	Condition	Value
Density of Laser Sintered Part	EOS-Method	0.9-0.95g/cm ³

Mechanical Properties		
Measurement	Condition	Value
Tensile Modulus	DIN EN ISO 527	1700 ±150 MPa
Tensile Strength	DIN EN ISO 527	45 ±3MPa
Elongation at Break	DIN EN ISO 527	20 ±5%
Flexural Modulus	DIN EN ISO 178	1500 ±130 MPa
Impact Strength (Charpy)	DIN EN ISO 179	53 kJ/m ²
Notched Impact Strength (Charpy)	DIN EN ISO 179	4.8 kJ/m ²
Impact Strength (Izod)	DIN EN ISO 180	32.8 kJ/m ²
Notched Impact Strength (Izod)	DIN EN ISO 180	4.4 kJ/m ²
Hardness, Shore D	DIN 53505	75



Thermal Properties		
Measurement	Condition	Value
Glass Transition (TG)	-	+130°C

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