



PA 2200

A durable SLS material suitable for fully functioning prototypes and series-production pieces of the highest quality

PRINTING PROCESS

Selective laser sintering (SLS)

DESCRIPTION

PA 2200 is a fine white powder based on nylon 12. It is suitable for the production of highly robust, strong, high-precision, high-performance pieces. The material is biocompatible and certified for contact with food. The material is particularly suitable for models and assemblies with high demands with respect to mechanics and fracture behaviour.

APPLICATION

Typical applications for this material include moving connectors, high-performance pieces, prostheses and orthoses.

TECHNICAL DATA

Description	PA 2200
Colour	white
Hardness [Shore D]	75
Flexural modulus [MPa]*	1500
Bending strength [MPa]*	
Tensile modulus of elasticity [MPa]*	1700
Tensile strength [MPa]*	50
Elongation at break [%]*	20
Notched bar impact strength [kJ/m ²]*	4,8
Density [g/cm ³]	0,93
HDT @ 0.45 MPa [°C]*	

*X direction

Under no circumstances can the published information about the material data be considered as express warranty or otherwise. The density and mechanical properties may vary depending on the light exposure parameters and the x, y, z positioning of the test pieces. The application of these information and references as well as the decision on the suitability of any product for special applications is in all cases subject to the sole responsibility of the user.

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