



PA 2201

A durable SLS material suitable for medical components and series-production pieces of the highest quality

PRINTING PROCESS

Selective laser sintering (SLS)

DESCRIPTION

PA 2201 is a white, slightly translucent nylon 12 powder. It is suitable for the production of highly robust, strong, high-precision, high-performance pieces. The material meets the FDA's strict requirements, and is suitable for a wide range of applications in the fields of medicine and healthcare.

APPLICATION

The components work particularly well as medical models and products.

TECHNICAL DATA

Description	PA 2201
Colour	white
Hardness [Shore D]	75
Flexural modulus [MPa]*	1500
Bending strength [MPa]*	58
Tensile modulus of elasticity [MPa]*	1700
Tensile strength [MPa]*	48
Elongation at break [%]*	15
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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