



PA 3200 GF

A robust SLS material suitable for functional prototypes and series-production pieces subjected to thermal stress

PRINTING PROCESS

Selective laser sintering (SLS)

DESCRIPTION

PA 3200 GF is a white, glass bead-filled nylon 12 powder that combines rigidity with good elongation at rupture. It is suitable for the production of highly robust, rigid, high-precision pieces. The material stands out on account of its good dimensional stability under heat, and is particularly suitable for pieces subjected to thermal stress.

APPLICATION

The components work particularly well as end products in the engine areas of vehicles.

TECHNICAL DATA

Description	PA 3200 GF
Colour	white
Hardness [Shore D]	80
Flexural modulus [MPa]*	2900
Bending strength [MPa]*	73
Tensile modulus of elasticity [MPa]*	3200
Tensile strength [MPa]*	51
Elongation at break [%]*	9
Notched bar impact strength [kJ/m ²]*	5,4
Density [g/cm ³]*	1,22
HDT @ 0.45 MPa [°C]	157

*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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