DINSMORE®

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MATERIAL SPEC SHEET

Nylon 12 GF

TECHNOLOGY: **SLS**

APPLICATIONS: Housing / Enclosures / Consumer Sporting Goods / Snap Fit Designs

DESCRIPTION:

This glass filled Nylon 12 material is characterized by excellent mechanical stiffness. It has elevated temperature resistance compared to the regular Nylon 12. It is also dimensionally stable.

The Nylon 12 material is mainly used for complex prototype plastic parts. They are also used in low volumes of functional parts. Some of its applications includes housing, enclosures, consumer sporting goods and also in snap fit designs. They are used for form, fit and functional prototypes.

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Flexural Modulus	D790	2241 MPA
Flexural Strength	D790	61 MPA
Elongation	D638	1.5 - 3 %
Heat Deflection Temp (66 PSI)	D648	179 °C
Tensile Modulus	D638	2896 MPA