

Nylon 12 PA

TECHNOLOGY: MJF

APPLICATIONS: General purpose and functional prototypes.

DESCRIPTION: Nylon 12 is a 40% glass bead filled thermoplastic material with both optimal mechanical properties and high reusability.

FEATURES: Strong. Excellent chemical resistance.

Color Options: Black

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	48 MPa
Modulus of Elasticity, Youngs Modulus	D638M	1700-XY, 1800-Z MPa
Elongation Break (%)	D638M	20%-XY, 15%-Z
Flexural Strength	D790M	65 MPa /9425 psi
Flexural Modulus	D790M	1730 MPa/251 ksi
IZOD Impact Strength (notched)	D256A	23 +/- 5 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	175 °C

