

## Product Description

PA12 GF (Glass bead-filled polyamide 12 powder) is a high-performance material that blends excellent rigidity and good elongation at break. Ideal for electronic enclosures, functional prototypes and end-use parts.

## Key Features

- High stiffness, good toughness, high mechanical strength
- High temperature resistance, good insulation
- Good corrosion resistance

## Physical Properties

Appearance	Grey, Beige
Bulk Density	0.67 g/cm <sup>3</sup>
Part Density	1.26 g/cm <sup>3</sup>

## Thermal Properties

Melting Point GB/T 1634.2-2004	184 °C
Heat Deflection Temp (HDT), 1.8 MPa GB/T 1634.2-2004	88 °C
Heat Deflection Temp (HDT), 0.45 MPa GB/T 1634.2-2004	162 °C

## Mechanical Properties

Property Description	Metric
Tensile Strength GB/T 1040.2-2006	44 MPa
Tensile Modulus GB/T 1040.2-2006	3500 - 7800 MPa
Elongation at Break GB/T 1040.2-2006	5%
Flexural Strength GB/T 9341-2008	68 MPa
Flexural Modulus GB/T 9341-2008	2415 MPa
Impact Strength (notched Izod) GB/T 1843-2008	4.13 KJ/m <sup>2</sup>
Impact Strength (unnotched Izod) GB/T 1843-2008	19.28 KJ/m <sup>2</sup>

Note: Material performance may vary depending on application, processing conditions and end-use environment. The information in this spec sheet is provided as typical values only and is not guaranteed.