

## Product Description

PP GF (Glass bead-filled polypropylene powder) is a high-performance engineering composite that blends rigidity, heat resistance, and dimensional stability while remaining lightweight. Ideal for functional prototypes.

## Key Features

- Excellent toughness, high strength
- Non-absorbent
- Good corrosion resistance

## Physical Properties

Appearance	Off-white
Bulk Density	0.58 g/cm <sup>3</sup>
Part Density	1.17 g/cm <sup>3</sup>

## Thermal Properties

Melting Point GB/T 1634.2-2004	145 °C
Heat Deflection Temp (HDT), 1.8 MPa GB/T 1634.2-2004	60 °C
Heat Deflection Temp (HDT), 0.45 MPa GB/T 1634.2-2004	100 °C

## Mechanical Properties

Property Description	Metric
Tensile Strength GB/T 1040.2-2006	32 MPa
Tensile Modulus GB/T 1040.2-2006	2000 MPa
Elongation at Break GB/T 1040.2-2006	30%
Flexural Strength GB/T 9341-2008	28.7 MPa
Flexural Modulus GB/T 9341-2008	2100 MPa
Impact Strength (notched Izod) GB/T 1843-2008	2.3 KJ/m <sup>2</sup>
Impact Strength (unnotched Izod) GB/T 1843-2008	11 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.