



PolyMide™ PA6-GF

SKU: PM70242

PolyMide™ is a family of Nylon/polyamide based filaments. Produced with Polymaker's Warp-Free™ technology, PolyMide™ filaments deliver engineering properties intrinsic to Nylon and ease of printing.

PolyMide™ PA6-GF is a glass fiber reinforced PA6 (Nylon 6) filament. The material exhibits excellent thermal and mechanical properties without sacrificing the layer adhesion.

Colour-Grey

Diameter size-1.75mm, 2.85mm

Net weight-2Kg, 500g

RECOMMENDED SETTINGS

Nozzle Temperature:

280°C – 300°C *

Printing Speed:

30mm/s – 60mm/s

Bed Temperature:

25°C – 50°C (Do NOT exceed 50 °C)

Bed Surface:

almost any surface with a thin coat of PVA glue or Magigoo PA

Cooling Fan:

OFF

MECHANICAL PROPERTIES

Young's Modulus:

4431 ± 184 (MPa)

Tensile Strength:

84.5 ± 2.1 (MPa)

Bending Strength:

136.4 ± 1.6 (MPa)

Charpy Impact Strength:

16.5 ± 0.5 (kJ/m²)

THERMAL PROPERTIES

Heat Deflection Temperature

(ISO 75 1.8 MPa):

157 °C

Heat Deflection Temperature

(ISO 75 0.45 MPa):

191 °C

Melting Temperature:

215 (°C)

NOTES

Drying Settings:

100°C for 8h

Recommended Support Materials:

PolyDissolve™ S1

Other:
Annealing 80°C 6h
