

OLA Product Name: OLA PA6 Glass-Filled Nylon (PA6+GF)

Color: Grey-Black

Process: SLS

MATERIAL SUMMARY

Tolerance: $\pm 400\mu\text{m}$ or $\pm 0.4\%$

Lead Time: 4 days

Maximum Printing Size: 350mm × 350mm × 400mm

Notes:



EVALUATION

- **Advantages:**
 - ✓ High thermal stability with heat resistance up to 203°C
 - ✓ Extremely high mechanical strength and rigidity
 - ✓ Strong resistance to chemical corrosion
- **Limitations:**
 - ✗ Limited toughness
 - ✗ Not recommended for threaded inserts or tapping applications

KEY FEATURES

OLA PA6+GF is a high-performance, glass fiber-reinforced polyamide material known for its outstanding mechanical properties, high heat resistance, and excellent chemical stability. With superior strength and stiffness, it is capable of withstanding heavy loads and impacts, making it ideal for demanding industrial applications.

APPLICATION SCENARIOS

- Automotive components (under-the-hood parts, structural mounts)
- Aerospace applications requiring lightweight yet strong materials
- Electrical and electronic enclosures exposed to chemicals or heat
- Industrial equipment requiring load-bearing, high-strength parts

MATERIAL PROPERTIES

Heat Deflection Temperature: 203°C ●

Heat Deflection Temperature (Max): 219°C ●

Tensile Modulus: 6585MPa ●

Tensile Strength: 77MPa ●

Elongation at Break: 1.7%

Flexural Modulus: 6066MPa

● Flexural Strength: 130MPa

Notched Impact Strength: 4.2KJ/m²

● Unnotched Impact Strength: 13.6KJ/m²

POST-PROCESSING OPTIONS

- Thread tapping