

FS3401GB-F

Developed for FLIGHT® Technology

Advanced PA12-based Glass Bead Reinforced
Polymer Material

Key Features:

- > Excellent mechanical strength and rigidity
- > Extraordinary dimensional stability
- > Good thermal/abrasive resistance

Example Applications:

- > Perfect for functional end-use parts production
- > Ideal for industrial applications such as automotive engine system, electrical tools.

[Technical Data]

General Properties

Bulk Density	0.65 g/cm ³
Part Density	1.30 g/cm ³
Color	Black

Thermal Properties

Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	185.5 °C
Heat Deflection Temp(HDT) @1.8 MPa <small>ISO 78-1:2020</small>	62 °C
Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	157 °C

Mechanical Properties

Tensile Strength <small>ISO 527-1:2019</small>	47 MPa
Tensile Modulus <small>ISO 527-1:2019</small>	2810 MPa
Elongation at Break <small>ISO 527-1:2018</small>	8.7%
Flexural Strength <small>ISO 178:2019</small>	73 MPa
Flexural Modulus <small>ISO 178:2019</small>	2550 MPa
Izod Impact Strength (notched) <small>ISO 180:2019</small>	9.5 KJ/m ²
Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	23 KJ/m ²

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Engine Intake Manifold
System: FLIGHT® HT252P



HVAC Defrost Duct
System: FLIGHT® HT252P

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