

FS6140GF

Advanced Glass Fiber Filled PA6 Material offering excellent mechanical and thermal properties

Key Features:

- > Excellent rigidity and strength
- > Outstanding high temperature performance
- > Tensile strength exceeding most polyamides
- > High material reusability

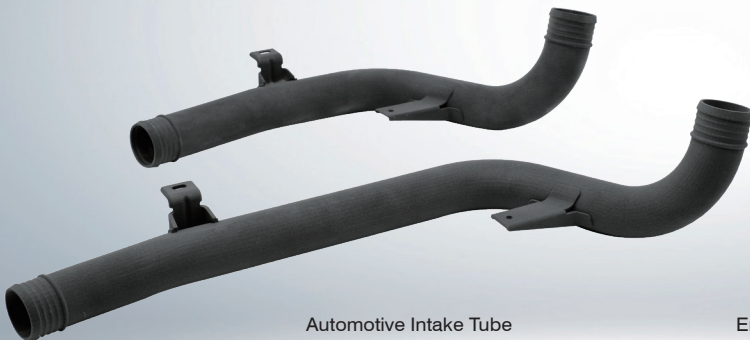
Example Applications:

- > End-use part in high-temperature environment such as engine bay parts
- > Housings & fixtures
- > Great alternative for CNC & injection molding

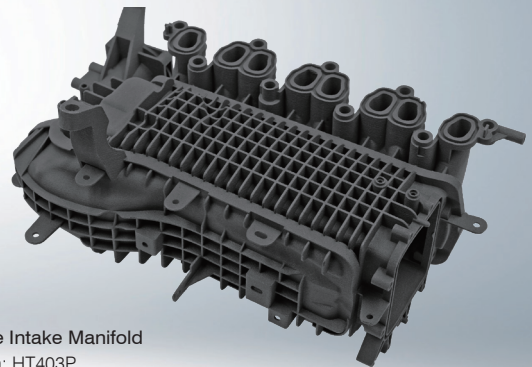
[Technical Data]

General Properties	Bulk Density	0.63 g/cm ³
	Part Density	1.41 g/cm ³
	Color	Black
Thermal Properties	Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	224 °C
	Heat Deflection Temp(HDT) @1.8 MPa <small>ISO 78-1:2020</small>	203 °C
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	219 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	77 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	6585 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	1.7%
	Flexural Strength <small>ISO 178:2019</small>	130 MPa
	Flexural Modulus <small>ISO 178:2019</small>	6266 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	4.2 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	13.6 KJ/m ²

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Automotive Intake Tube
System: HT1001P-2



Engine Intake Manifold
System: HT403P

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