

FS3150CF

Advanced Carbon Fiber Filled PA12 Material combines strength and light-weight

Key Features:

- > Excellent strength and rigidity
- > Enhanced stiffness
- > High resistance to thermal deformation
- > Great anti-static electricity feature

Example Applications:

- > Ideal for parts production with strict requirement of weight reduction
- > Industrial applications in aerospace & aviation industry

[Technical Data]

General Properties	Bulk Density	0.52 g/cm ³
	Part Density	1.07 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>	152 °C
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	169 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	56 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	3350 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	6.9%
	Flexural Strength <small>ISO 178:2019</small>	87 MPa
	Flexural Modulus <small>ISO 178:2019</small>	2820 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	7.2 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	14 KJ/m ²

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Motorcycle Fuel Tank
System: SS403P

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