

FS3250MF

Advanced Mineral Fiber Filled PA12 Material suits a wide range of Automotive Applications

Key Features:

- > Excellent mechanical properties with mineral fiber
- > High resistance to thermal deformation
- > Excellent size-stability, low contractive rate

Example Applications:

- > Perfect for functional end-use parts production
- > Parts with high mechanical properties & heat resistance
- > Applications in automotive engine cooling system

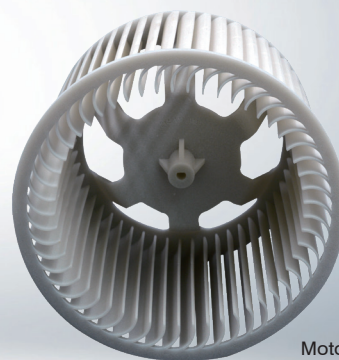
[Technical Data]

General Properties	Bulk Density	0.55 g/cm ³
	Part Density	1.20 g/cm ³
	Color	Light grey
Thermal Properties	Melting Point (10°C/min) <small>ISO 11357-1:2020</small>	183 °C
	Heat Deflection Temp(HDT) @1.8 MPa <small>ISO 78-1:2020</small>	129 °C
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	171 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	51 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	6130 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	5%
	Flexural Strength <small>ISO 178:2019</small>	76 MPa
	Flexural Modulus <small>ISO 178:2019</small>	4633 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	5.59 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	20.8 KJ/m ²

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Gear Wheel
System: HT403P



Motor Blade
System: SS403P

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