

# 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 ]

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

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Gear Wheel  
System: HT403P



Motor Blade  
System: SS403P

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