

FS3201PA-F

Developed for FLIGHT® Technology

Advanced PA12-based Polymer Material perfect for high-performance functional Applications

Key Features:

- > Excellent mechanical properties
- > High toughness, durability and size-stability
- > High material re-usability

Example Applications:

- > Best fit for functional parts with requirements of high mechanical properties
- > Complex geometries with fine details
- > High-quality end-use parts fabrication

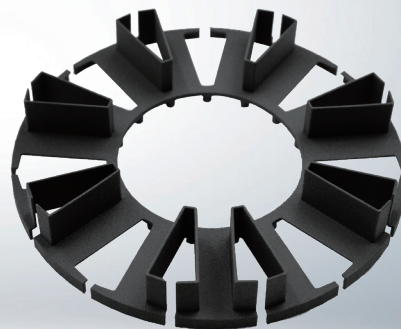
[Technical Data]

General Properties	Bulk Density	0.50 g/cm ³
	Part Density	1.04 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>	147 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	44 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	1500 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	35%
	Flexural Strength <small>ISO 178:2019</small>	49 MPa
	Flexural Modulus <small>ISO 178:2019</small>	1300 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	6.0 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	31 KJ/m ²

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High Frequency Muffler
System: FLIGHT® HT403P



Wire Frame
System: FLIGHT® HT403P

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