

FS3300PA

High-performance PA12 Polymer Material suits a wide range of Industrial Applications

Key Features:

- > Excellent mechanical properties
- > Good part surface ease of post-processing
- > Optimal size and color stability
- > High oxidation resistance & low water absorption

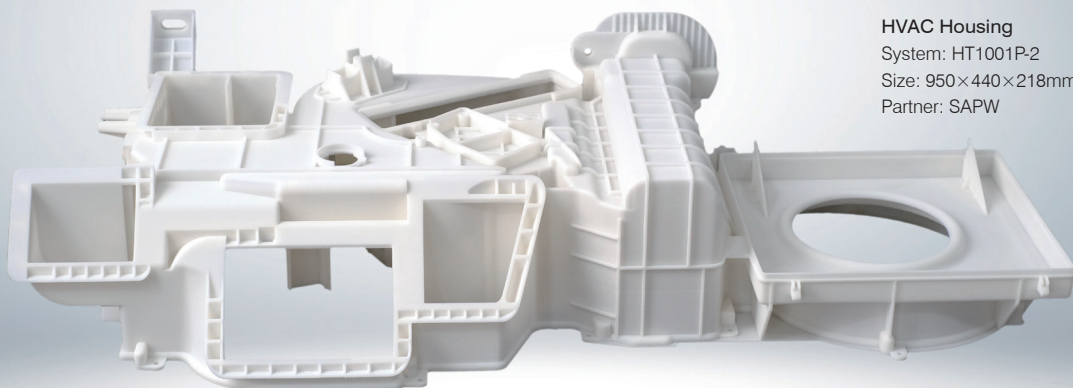
Example Applications:

- > Perfect for functional prototypes and end-use parts with high mechanical properties and toughness
- > Alternative for complex spare parts production
- > Multi-purpose industrial applications

[Technical Data]

General Properties	Bulk Density	0.48 g/cm ³
	Part Density	0.95 g/cm ³
	Color	White
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>	83.5 °C
	Heat Deflection Temp(HDT) @0.45 MPa <small>ISO 78-1:2020</small>	146.2 °C
Mechanical Properties	Tensile Strength <small>ISO 527-1:2019</small>	46 MPa
	Tensile Modulus <small>ISO 527-1:2019</small>	1602 MPa
	Elongation at Break <small>ISO 527-1:2018</small>	36%
	Flexural Strength <small>ISO 178:2019</small>	46.3 MPa
	Flexural Modulus <small>ISO 178:2019</small>	1300 MPa
	Izod Impact Strength (notched) <small>ISO 180:2019</small>	4.9 KJ/m ²
	Izod Impact Strength (unnotched) <small>ISO 180:2019</small>	13.2 KJ/m ²

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HVAC Housing
 System: HT1001P-2
 Size: 950×440×218mm
 Partner: SAPW

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