

# 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

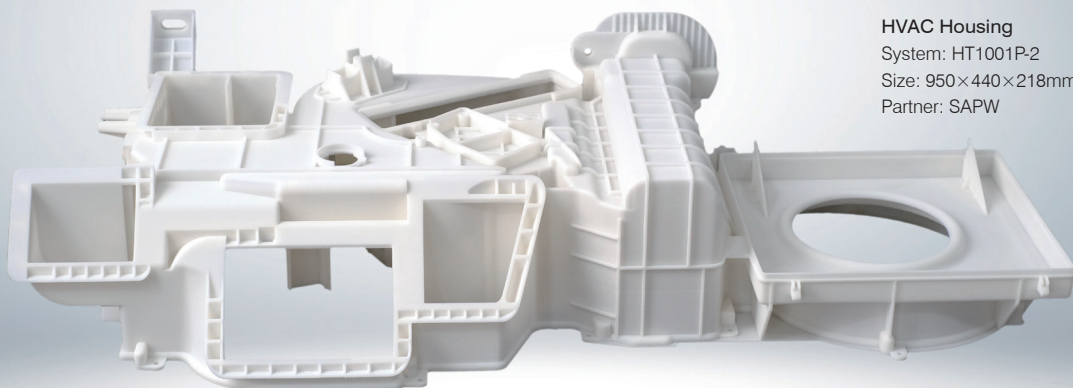
## Example Applications:

- > 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 ]

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

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

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