

# Data Sheet: MJF-PA12<sup>i</sup>

## Thermal Properties

Property	Value	Norm
Heat Deflection at 0.45 MPa [°C]	175	ASTM D648
Heat Deflection at 1.82 MPa [°C]	95	ASTM D648

## Mechanical Properties

Property	Value	Norm
Tensile Strength [MPa] <sup>ii</sup>	48	ASTM D638
Tensile Modulus [MPa] <sup>ii</sup>	1700-1800	ASTM D638
Elongation at Break [%] <sup>ii</sup>	15-20	ASTM D638

## Physical Properties

Property	Value
Density [g/cm <sup>3</sup> ]	1.01

## Tolerances

Property	Value as built	Unit
Achievable Part Accuracy <sup>iii</sup>	+/- 0.3 mm for parts up to 100 mm +/- 0.5 % for beyond 100 mm	mm/%
Min. Wall thickness	1.0	mm

<sup>i</sup>The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. The default postprocessing for this material is blasting.

<sup>ii</sup>Depending on build direction

<sup>iii</sup>As a result of the part's geometry, strong tensions may cause distortion in the part which may lead to greater deviation.