

Data Sheet: SLS-PA11ⁱ

Thermal Properties

Property	Value	Norm
Heat Deflection at 0.45 MPa [°C]	180	ISO 75
Heat Deflection at 1.80 MPa [°C]	46	ISO 75

Mechanical Properties

Property	Value	Norm
Tensile Strength [MPa] ⁱⁱ	48	ISO 527
Tensile Modulus [MPa] ⁱⁱ	1500	ISO 527
Charpy-Notched Impact Strength [kJ/m ²]	6.5-7.8	ISO 179/1eA
Elongation at Break [%] ⁱⁱ	25	ISO 527

Physical Properties

Property	Value
Density [g/cm ³]	0.99

Tolerances

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

ⁱ 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.

ⁱⁱ Depending on build direction

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