

Data Sheet: Black Resin (Somos® Imagine Black)

THERMAL PROPERTIES

Property	Unit	Value	Norm
Heat Deflection at 0.46 MPa	°C	50	ASTM D648

MECHANICAL PROPERTIES

Property	Unit	Value	Norm
Tensile Strength ⁱ	MPa	50	ASTM D638
Tensile Modulus ⁱ	MPa	2.500	ASTM D638
Notched Izod Impact ⁱ	J/m	24	ASTM D256
Elongation at Break ⁱ	%	5 - 10	ASTM D638

TOLERANCES

Property	Unit	Value As Built
Achievable Part Accuracy	mm	+/- 0.2 mm for parts up to 100 mm
	%	+/- 0.2 % for beyond 100 mm
Min. Wall Thickness	mm	1.0

ⁱ Depending on build direction.