

Data Sheet: Functional Resin (Somos® Taurus)

THERMAL PROPERTIES

Property	Unit	Value	Norm
Heat Deflection at 0.46 MPa	°C	62	ASTM D648

MECHANICAL PROPERTIES

Property	Unit	Value	Norm
Tensile Strength ⁱ	MPa	46	ASTM D638
Tensile Modulus ⁱ	MPa	2310	ASTM D638
Flexural Modulus ⁱ	MPa	2050	ASTM D790
Flexural Strength ⁱ	MPa	73	ASTM D790
Elongation at Break ⁱ	%	24	ASTM D638
Hardness	Shore D	83	ASTM D2240

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.