PROTOLABS
Manufacturing. Accelerated.

Stereolithography

Formlabs Tough 1500

Stiff but compliant material with toughness that rivals polypropylene

Key Attributes

Enables a wide range of applications, from functional prototypes to end-use jigs and fixtures. Tough 1500 Resin V2 is a resilientmaterial with strength, stiffness, and toughness comparable to polypropylene (PP).

Properties

Property	Value (Metric)	Value (Imperial)
Maximum Part Size	145 × 145 × 175mm	5.7 × 5.7 × 6.8in.
Minimum Feature Size	0.2mm	0.008in.
Tensile Strength	34 MPa	4930 psi
Tensile Modulus	1460 MPa	212 ksi
Heat Deflection (1.8 MPa)	53 °C	127 °F
Heat Deflection (0.45 MPa)	66 °C	151 °F
Elongation at Break	155%	155%



All of the figures contained within this data sheet are approximate values and are dependent on a number of factors, including but not limited to manufacturer formulations, and machine/process parameters. The information provided is therefore not binding and not deemed to be certified.

© 2026 Proto Labs, Inc.