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Stereolithography

Formlabs Flexible 80A

Flexible 80A Resin for Hard Flexible Prototypes

Key Attributes

Flexible 80A Resin is the most stiff soft-touch material in our library of Flexible and Elastic Resins, with an 80A Shore durometer to simulate the flexibility of rubber or TPU. Balancing softness with strength, Flexible 80A Resin can withstand bending, flexing, and compression, even through repeated cycles. This material is wellsuited for cushioning, damping, and shock absorption.

Properties

Property	Value (Imperial)	Value (Metric)
Maximum Part Size	5.7 × 5.7 × 6.8in.	145 × 145 × 175mm
Minimum Feature Size	0.008in.	0.2mm
Tensile Strength	1290 psi	8.9 MPa
Tear Strength	137 lbf/in	24 kN/m
Compression Set	0.40%	0.40%
Elongation at Break	120%	120%



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.

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