PROTOLABS
Manufacturing. Accelerated.

Prototyping FDM

Prototyping TPU

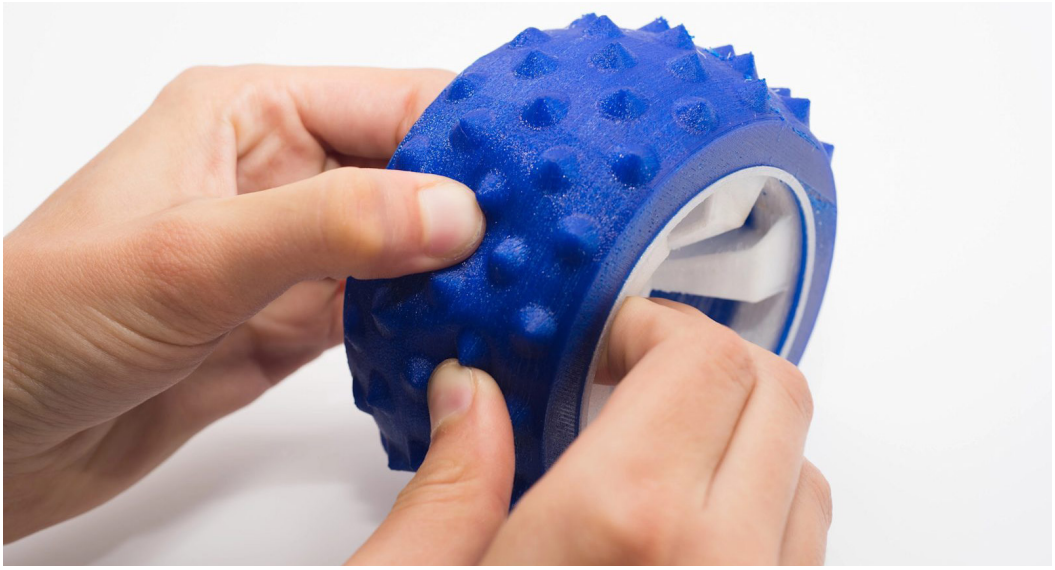
Flexible, rubber-like elastomer available in various Shore hardnesses, default 95A, used for seals, grips, vibration isolation.

Key Attributes

High elongation, abrasion resistance, flexible, excellent impact damping, 95A.

Properties

Property	Value (Imperial)	Value (Metric)
Maximum Part Size	19.685" x 11.811" x 11.811"	300 x 300 x 300 mm
Minimum Feature Size	.039"	1.0 mm
Tensile Strength	2.9-7.3 ksi (depends strongly on hardness; common 4.4–5.8 ksi for 85A)	20–50 MPa (depends strongly on hardness; common 30–40 MPa for 85A)
e_modulus	1.45-14.5 ksi depending on durometer	0.01–0.1 GPa (10–100 MPa) depending on durometer
Heat Deflection	104-176 °F	40–80 °C
Elongation	200–500%	200–500%



© 2026 Proto Labs, Inc.