

Description

Elastic Resin is engineered to simulate silicone at 50A hardness. It is a perfect material for prototypes that will bend, stretch, compress, and hold for repeated use without tearing.

Uses

Medical design prototyping
Soft-prototyping for robotics
Wearables

Colors



Material Properties

Tear Strength



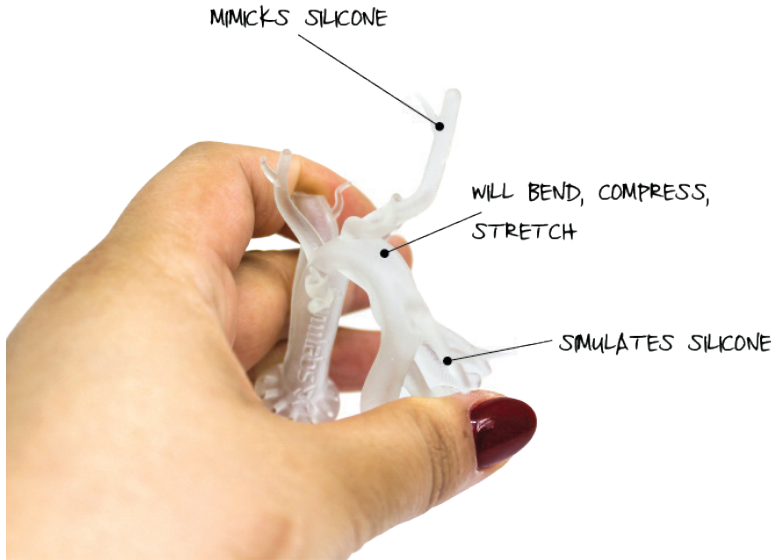
Elongation at Failure



Compression



Flexibility



	Metric	Imperial
Ultimate Tensile Strength	3.23 MPa	468 psi
Stress at 50% Elongation	.94 MPa	136 psi
Stress at 100% Elongation	1.59 MPa	231 psi
Elongation at Failure	160 %	160 %
Compression set at 23C for 22 hrs	2 %	2 %
Compression set at 70C for 22 hrs	9 %	9 %
Tear Strength	19.1 kN/m	109 lbf/in
Shore Hardness	50 A	50 A