

## 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



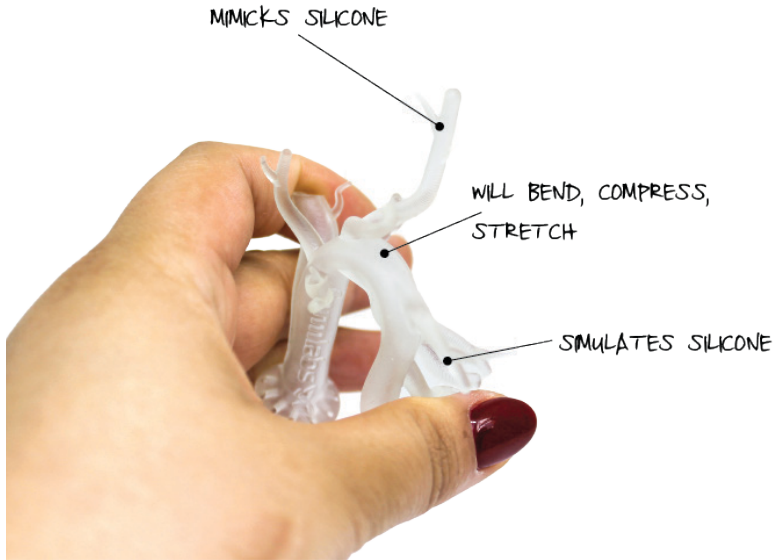
Elongation at Failure



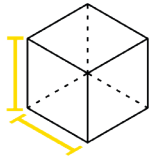
Compression



Flexibility



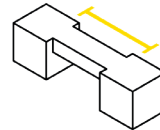
### Maximum Build Volume



145 mm x 145 mm x 175 mm  
5.7 in x 5.7 in x 6.9 in

The maximum size we are able to print for this material.

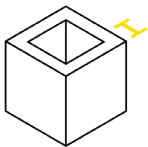
### Max Unsupported Bridge Length



1 mm  
0.39 in

The span a material can print without the need for support material.

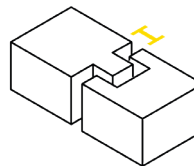
### Minimum Wall Thickness



0.6 mm  
0.236 in

The minimum thickness a wall can be printed.

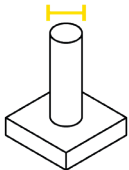
### Minimum Clearance



0.35 mm  
0.013 in

The recommended clearance between two moving or connecting parts.

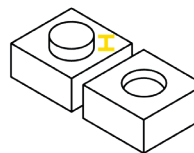
### Minimum Vertical Wire Diameter



0.3 mm  
0.01 in

The minimum diameter a pin can be printed at.

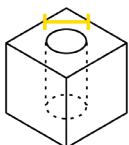
### Minimum Detail



0.1 mm  
0.0039 in

The recommended height of details that are raised or recessed below the model surface.

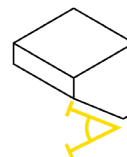
### Minimum Hole Diameter



0.5 mm  
0.021 in

The minimum diameter a technology can successfully print a hole.

### Maximum Overhang Angle



19 degrees

The maximum angle a wall can be printed at without requiring support.