



Description

Flexible Resin has elastomeric properties that allow users to print bendable and compressible parts. Parts come out pliable where there are thin walls, but are resilient when there are thicker walls. It simulates an elastomer with 80 A durometer. It is a soft-touch material like rubber.

Uses

Stamps
Wearables Prototyping
Ergonomic Parts

Colors



Material Properties

Tear Strength



Elongation at Failure



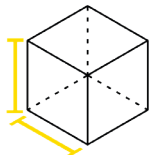
Compression



Flexibility



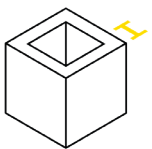
Maximum Build Volume



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.

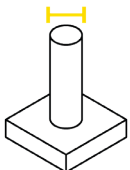
Minimum Wall Thickness



0.6 mm
0.236 in

The minimum thickness a wall can be printed.

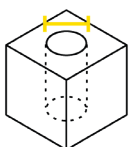
Minimum Vertical Wire Diameter



0.3 mm
0.01 in

The minimum diameter a pin can be printed at.

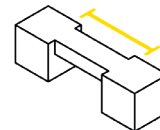
Minimum Hole Diameter



0.5 mm
0.021 in

The minimum diameter a technology can successfully print a hole.

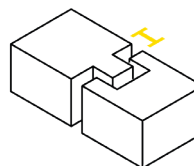
Max Unsupported Bridge Length



1 mm
0.39 in

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

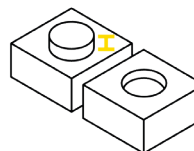
Minimum Clearance



0.35 mm
0.013 in

The recommended clearance between two moving or connecting parts.

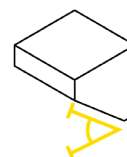
Minimum Detail



0.1 mm
0.0039 in

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

Maximum Overhang Angle



19 degrees

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