



# ELASTIC 50A RESIN

Clear

Elastic 50A Resin is named after its 50A Shore hardness. Closely mimicking Silicone, choose this material for parts that need to stretch, bend and compress without tearing. Perfect for wearables, consumer goods, and compliant features.

## Properties Summary

Hardness	<div style="width: 90%;"></div>
Surface Finish	<div style="width: 70%;"></div>
Cost	<div style="width: 85%;"></div>
Impact Resistance	<div style="width: 95%;"></div>

## DESIGN GUIDELINES

Elastic 50A Resin is trickier to build with than other materials, so extremely fine details can sometimes be lost.

Maximum Build Volume	140 mm x 140 mm x 140 mm
Min Wall Thickness	1 mm
Min Hole Diameter	1 mm
Minimum Part Clearance	1 mm
Minimum Debossed Detail	1 mm
Minimum Embossed Detail	1 mm
Maximum Unsupported Angle	N/A

## MATERIAL DATA

Ultimate Tensile Strength	3.2 MPa
Tensile Modulus	N/A
Elongation at Failure	160%
Flexural Modulus	N/A
Maximum Safe Temperature	50°C

## SUBSCRIPTIONS/CREDITS INFORMATION

This material falls under the Premium SLA materials category for our subscription/credit pack customers.

**25ml = 1 credit**

As this is an SLA material which will have supports attached while building, we recommend an enhanced finish to smooth over any marks/blemishes.

[Enhanced finish \(1 credit per 50 ml\)](#)

Still have questions? Contact us at [enquiries@printpool.co.uk](mailto:enquiries@printpool.co.uk) or give us a call on 01865 546430. We're always happy to help!