

# Silicone

3D Printed elastomer in real Silicone.

## Description:

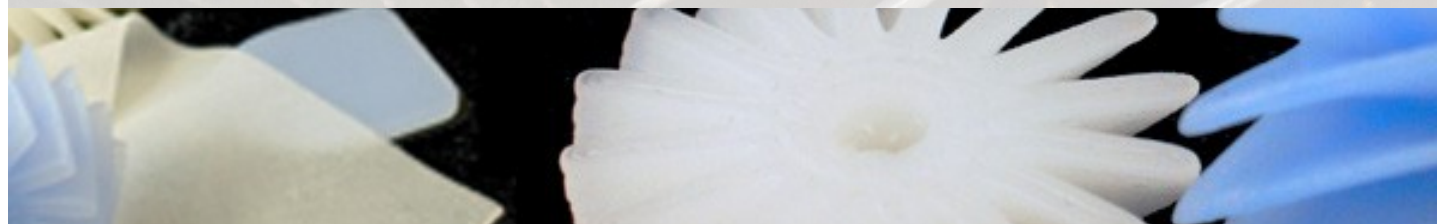
Real 100% pure LSR silicone 3d printed in a range of Shore A values showing good mechanical and electrical properties. Available in a range of colours. Soluble support technology gives you maximum design freedom. 0.3mm min wall thickness. White in colour.

## Why Choose.

- Excellent temperature range from -30 to +180°C.
- Bio Compatible to ISO10993-5:2009 and 10993-10:2010.
- Excellent Chemical and UV resistance.
- High gas permeability.
- Choose shore: 20A, 35A, 50A, 60A

## Applications:

- Gaskets and seals.
- Robot Grippers.
- Medical. Automotive, Aerospace
- Prototypes.
- Short runs of 'end use' rapid manufacture designs.



General Properties	Value (XY Axis)	Test Method
Part Density	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1A
Temperature Range	-30°C to +180°C	
Elongation at break	530%	ISO 37 Type 4
Tensile Strength	7.25 N/mm <sup>2</sup>	ISO 37 Type 4
Tear Strength	11 N/mm	ASTM D 624 C
Rebound resilience	> 80%	ISO 4662
Build Volume	130 x 70 x 100 mm	<b>**Data based on Shore A=50**</b>

*This data sheet contains approximate values. These values are influenced by part's geometry, additives, and environmental influences. They were developed based on current experiences and knowledge. Therefore, the above mentioned properties cannot be claimed legally binding nor can a definite purpose be derived.*

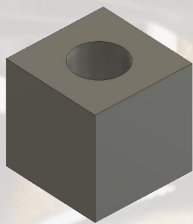
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## Design Considerations:

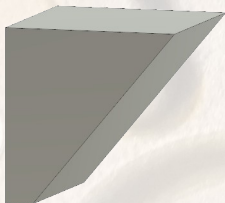
Accuracy to ISO DIN EN 2768-1 m. Bio-compatibility ISO DIN EN 10993-5 & 10993-10



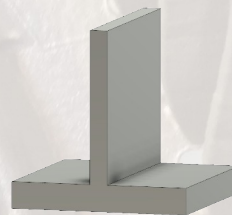
**Hole Diameter:**  
> 0.7mm



**Embossed and engraved detail:**  
> 0.25mm



**Unsupported Overhang:**  
> 30° from horizontal.  
< 3mm in length.



**Unsupported Walls:**  
> 0.5mm  
> 0.3mm supported

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[www.3d-alchemy.co.uk](http://www.3d-alchemy.co.uk) +44 (0)1952 820 453 [info@3d-alchemy.co.uk](mailto:info@3d-alchemy.co.uk)

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