

# Technical Data



BR3D01-UV-FLEXI-LSR  
UV Laser **Flexible**  
**Flexible** 3D polymers



## SPECS

### FEATURES

Photocentric's range of flexible Laser UV photopolymers are ideal for making objects where you want a little flexibility, but still a hard object. Thin objects will compress and deflect enough to bend and return. They exhibit very low tensile shear properties and high elongation, objects can be bent and compressed with some force. Laser UV Flexible provides excellent imaging in your desktop laser printer. You will experience the benefits of fast exposure times and a wide exposure latitude, allowing you to hold the finest details your machine can provide. The solid material is bendable, durable and long lasting provided it is stored in dry conditions away from strong UV light.

### PROCESSING INSTRUCTIONS

Follow the procedures laid out in your 3D Laser printer's user manual. Polymer should be poured into the tray away from direct sunlight. Polymer can be reused but should be poured through a filter to remove solid lumps. Keep hood on at all times. Liquid polymer is soluble in water and soap. After cleaning, objects surface tack can be removed by leaving under water in UV for 20 minutes or longer. If any surface tack persists you can remove it by wiping the part with IPA.

### DATA

<b>Viscosity</b> <small>(At 25°C Brookfield spindle 3)</small>	200 cPs
<b>Hardness</b> <small>(After post exposure)</small>	85 Shore A
<b>Tensile strength</b> <small>ASTM D638 (After full post exposure)</small>	4.9 MPa
<b>Tensile strength</b> <small>ASTM D638 (Before full post exposure)</small>	1.5 MPa
<b>Elongation at break</b>	75%
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.18 g/cm <sup>3</sup>

### AVAILABLE COLOURS

Black, Clear

Available in 1kg with non-drip cap