



# Bilby 3D

## **MATERIAL DATA SAFETY SHEET**

Issued in Australia by Bilby 3D Pty Ltd.

The attached Material Data Safety Sheet has been prepared by the manufacturer outside Australia.

In accordance with Australia WHS regulations the following Australian contact details apply

### **Section 1: AUSTRALIAN COMPANY DETAILS**

In Australia the product is imported and distributed by:  
Bilby 3D Pty Ltd

Mailing Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Head Office Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Contact Phone: 1800 847 333

### **Section 2: AUSTRALIAN EMERGENCY CONTACT**

#### **Emergency Contact**

In the event of an emergency please contact:

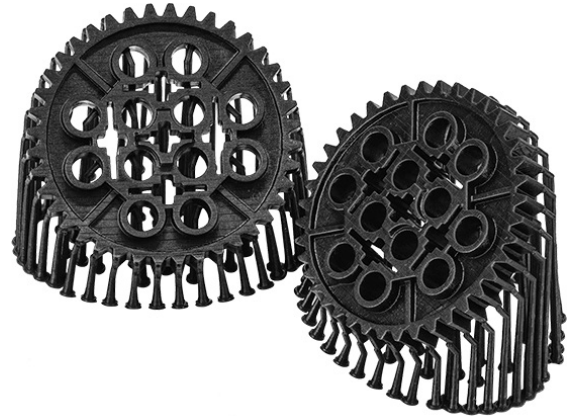
Poisons Information Centre 24 hour Telephone Advice Line on 13 11 26

### **Section 3: AUSTRALIAN ISSUE DATA**

**Date of Issue** : 1 March 2020



UV LCD Hard



## SPECS

### FEATURES

Photocentric's UV-LCD range puts creation in your hands. Obtain prints in short times on UV-LCD backlit prints like the Wanhao D7 and Anycubic Photon where these resins have been optimised to give the shortest layer times.

Photocentric's range of Hard UV-LCD photopolymers are ideal for creating objects that are very hard and show no signs of flexibility. Thin objects won't deflect or compress under stress and will retain their shape.

They exhibit high tensile shear properties and very limited elongation. UV-LCD Hard provides excellent imaging in your back lit UV-LCD printer where you also benefit from fast exposure times and hold the finest detail your machine can provide. The solid material is tough, 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 UV-LCD printer user manual. For cure times, please refer to our UV Support Page. Resin 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. Liquid polymer is soluble in water and soap. After cleaning objects, surface tack can be removed by leaving under water in UV light for 20 minutes. Total post cure should be at least 1 hour in UV light.

### DATA

<b>Viscosity</b> (At 25°C Brookfield spindle 3)	230 cPs
<b>Hardness</b> (After post exposure)	77 Shore D
<b>Tensile strength</b> ASTM D638 (After post exposure)	35 MPa
<b>Tensile strength</b> ASTM D638 (Before post exposure)	15 MPa
<b>Tensile Modulus</b> ASTM D638 (After post exposure)	2000 MPa
<b>Elongation at break</b> ASTM D638	<1.5%
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.19 g/cm <sup>3</sup>

### AVAILABLE COLOURS

#### Black

Available in 1kg bottles.