



Daylight Castable



## SPECS

### FEATURES

This is a SLA resin designed for creating high definition castable objects. It is formulated to burn evenly at regularly increasing temperature stages to reduce gas pressure in the cast and provide almost no ash content. It will give minimal expansion on heating. 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 tough, durable and long lasting provided it is stored in dry conditions away from UV light.

### PROCESSING INSTRUCTIONS

Follow the procedures laid out in your 3D Liquid Crystal user manual. For best post-processing results, clean using a Photocentric Wash 15L with Photocentric Resin Cleaner for maximum 15 minutes. Rinse with warm-hot water. Place in Cure M or L2 in water for 30 minutes at 60°C. If still tacky, place in water and UV for another 20 minutes.

### DATA

<b>Viscosity</b> (At 25°C Brookfield spindle 3)	230 cPs
<b>Hardness</b> (After post exposure)	75 Shore D
<b>Tensile strength</b> ASTM D638 (After post exposure)	10 MPa
<b>Tensile strength</b> ASTM D638 (Before post exposure)	6 MPa
<b>Youngs modulus</b> ASTM D638 (After post exposure, 1h UV)	210 MPa
<b>Flexural modulus</b> ASTM D792 (After post exposure)	1000 MPa
<b>Elongation at break</b>	3%
<b>Heat deflection temp</b> ASTM D648	-
<b>Storage</b>	10<t>50°C
<b>Density</b> ASTM D638	1.19 g/cm3

### Residual content after burning

Al, B, Ca, Nb, Cd, Ce, Co, Cr, Cu, Ga, Hf, K, Mg, Mn, Mo, Na, Mi, P, Pt, S, Si, V, Zr, Re, Ta, W, Ba, Y <0.01%

Pb, Bi, Ag, Sb,Zn, Sn, Fe <10 ppm

Titanium <0.18%

Ash content <0.18%

### AVAILABLE COLOURS

#### Smoky Quartz

*Other colours available on request*

Available in 1kg bottles with non-drip cap.