



## Daylight Dental Model



# SPECS

### FEATURES

Dental Model White polymer has been formulated to create detailed, high resolution dental models on the LC Precision printer range. The resin has been developed in conjunction with Dental Technologists to ensure an optimal colour, feel, and working characteristics. Ideal for Orthodontic, study and working models. The prints show minimal shrinkage with a tolerance of 50µm max deviation on a full arch. Printed dental parts exhibit extremely high tensile properties and hardness, allowing for their use as a working or a vacuum forming model. Dental model resin will provide excellent print performance on the LC Precision printer range, allowing you to print crisp and clean dental models.

### 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 thoroughly with warm to hot water. Place in Cure M or L2 for 20-40 minutes in water at 60-80°C. If still tacky, place in water and UV for another 20 minutes.

### DATA

<b>Viscosity</b> (At 25°C Brookfield spindle 3)	900 cPs
<b>Hardness</b> ASTM D2240 (After post exposure)	90 Shore D
<b>Tensile strength</b> ASTM D638 (After post exposure Postcured 120 mins UV and heat 60°C water)	63 MPa
<b>Young's modulus</b> ASTM D638 (After post exposure Postcured 120 mins UV and heat 60°C water)	3020 MPa
<b>Elongation at break</b> ASTM D638 (Postcured 120 mins UV and heat 60°C water)	4.3%
<b>Impact strength notched Izod</b> ASTM D256 (After post exposure)	3.0 kJ/m <sup>2</sup>
<b>Flexural strength</b> ASTM D792 (After post exposure)	93 MPa
<b>Flexural modulus</b> ASTM D792 (After post exposure)	2200 MPa
<b>HDT</b>	95°C
<b>Water absorption (24 h)</b>	< 0.2 wt%
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.09 g/cm <sup>3</sup>

### AVAILABLE COLOURS

Green

Available in 1 kg bottles.