



## Daylight Precision Dental Castable

# SPECS



### FEATURES

Precision Dental Castable is ideal for creating highly accurate castable items such as crowns, bridges and partial denture bases, anything that would previously have used the time consuming waxing procedure to create. This product has been 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 almost no expansion upon heating.

Key benefits include reduced ash content in burnout, almost no expansion when heated, highly accurate parts with a good finish which is easy to use.

**Ideal Applications:** Partial Denture Base, Crowns, Small Bridges

### 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 4 hours at 60-80°C. If still tacky, place in water and UV for 10 minutes.

### DATA

<b>Viscosity</b> <small>(At 25°C Brookfield spindle 3)</small>	140 cPs
<b>Hardness</b> <small>(After post exposure)</small>	75 Shore D
<b>Tensile strength</b> <small>ASTM D638 (After post exposure)</small>	15.4 MPa
<b>Tensile modulus</b> <small>ASTM D638 (After post exposure)</small>	628 MPa
<b>Elongation at break</b> <small>ASTM D638</small>	6.5%
<b>Impact strength notched Izod</b> <small>ASTM D256 (After post exposure)</small>	2.04 kJ/m <sup>2</sup>
<b>Flexural strength</b> <small>ASTM D792 (After post exposure)</small>	9.2 MPa
<b>Flexural modulus</b> <small>ASTM D792 (After post exposure)</small>	212 MPa
<b>Water absorption (24 h)</b>	1.2 wt%
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.09 g/cm <sup>3</sup>

### AVAILABLE COLOURS

**Smoky Quartz**

Available in 1kg bottles