



## 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'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. However, we recommend cleaning 3d printed objects with Photocentric's Resin Cleaner. After cleaning the 3d printed objects, the surface tack can be removed by leaving the objects in water under UV light for 10 minutes.

### DATA

<b>Viscosity</b> (At 25°C Brookfield spindle 3)	140 cPs
<b>Hardness</b> (After post exposure)	75 Shore D
<b>Tensile strength</b> ASTM D638 (After post exposure)	15.4 MPa
<b>Tensile modulus</b> ASTM D638 (After post exposure)	628 MPa
<b>Elongation at break</b> ASTM D638	6.5%
<b>Impact strength notched Izod</b> ASTM D256 (After post exposure)	2.04 kJ/m2
<b>Flexural strength</b> ASTM D792 (After post exposure)	9.2 MPa
<b>Flexural modulus</b> ASTM D792 (After post exposure)	2120 MPa
<b>Water absorption (24 h)</b>	1.2 wt%
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.09 g/cm3

### AVAILABLE COLOURS Smoky Quartz

Available in 1kg bottles