



Daylight Precision Concept



SPECS

FEATURES

Precision Concept has been designed for creating high definition jewellery parts especially for the Precision Printer. The printed parts will display a high tensile strength and durability, as well as a high accuracy and detail for the use in the modern jewelry market. This resin will allow designers to display highly accurate and detailed jewellery models. In addition, the high print speed of this resin, will allow jewelers to try their designs directly on the customer's hands. The printed parts will display a smooth surface and a good surface finish. Moreover, patterns can be easily painted with an aerobrush. Key benefits include high tensile strength, high print speed, high accuracy, smooth surface, easy to use and finish.

Applications: Jewellery

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 1 hour at 60-80°C. Alternatively, this can be post-exposed in water under UV for 30 minutes.

DATA

Viscosity (At 25°C Brookfield spindle 3)	690cPs
Hardness ASTM D2240 (After post exposure)	92 Shore D
Tensile strength ASTM D638 (After post exposure, 1h UV)	61 MPa
Elongation at break ASTM D638 (After post exposure, 1h UV)	3.7 %
Young's modulus ASTM D638 (After post exposure, 1h UV)	2810 MPa
Impact strength notched Izod ASTM D256 (After post exposure)	1.97 kJ/m2
Flexural strength ASTM D792 (After post exposure)	87 MPa
Flexural modulus ASTM D792 (After post exposure)	2060 MPa
Heat deflection temperature	85°C
Water absorption (24 h)	<0.2 wt%
Storage	10<t>50°C
Density	1.1 g/cm3

AVAILABLE COLOURS

Green

Available in 1 kg bottles.