



Daylight Precision Model

SPECS

FEATURES

Precision Model resin has been developed for prototyping of highly detailed objects, for example figurines and jewellery models. The prime colour of the resin allows customers to easily paint them in any colour and make their parts as realistic as possible. This resin has an ultimate dry touch and smooth finish, which delivers satisfactory customer experience. You will experience the benefits of extremely fast exposure times allowing you to hold the finest details required for jewellery market. The solid material is tough, durable and long lasting provided it is stored in dry conditions away from sunlight.

Key Benefits

- Enables the printing of highly detailed objects
- Smooth surface finish
- Easy to use and clean
- Easy to paint

Ideal Applications

- Jewellery Modelling
- Figurines
- Miniature Modelling

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

Viscosity (At 25°C Brookfield spindle 3)	121 cPs
Hardness ASTM D2240 (After post exposure)	52 Shore D
Tensile strength ASTM D638 (After post exposure)	14 MPa
Young's modulus ASTM D638 (After post exposure)	420 MPa
Elongation at break ASTM D638	3.5%
Impact strength notched Izod ASTM D256 (After post exposure)	2.2 kJ/m2
Flexural strength ASTM D792 (After post exposure)	9.9 MPa
Flexural modulus ASTM D792 (After post exposure)	260 MPa
Water absorption (24 h)	1.5 wt%
Storage	10<math>t>50^{\circ}\text{C}
Density	1.09 g/cm3

AVAILABLE COLOURS

Grey

Available in 1kg bottles.