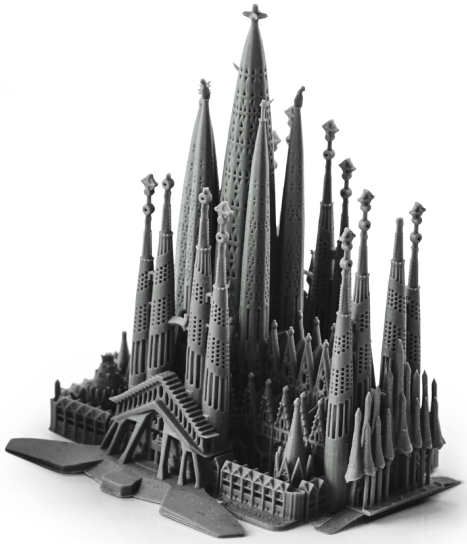
Technical Data

Photocentric 3D Resins

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´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 the use of Photocentric's Resin Cleaner for 3d printed objects. 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

Viscosity (At 25ºC 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<t>50°C
Density	1.09 g/cm3

AVAILABLE COLOURS

Grey

Available in 1kg bottles.

Photocentric

UK Photocentric Ltd. Cambridge House, Oxney Rd, Peterborough, PE1 5YW email: *info@photocentric.co.uk*
USA Photocentric Inc. 2205 West Parkside Lane, Phoenix, 85027, AZ email: *info@photocentricusa.com*
Winner of Queen's Award: Innovation 2016 & International Trade 2018
www.photocentricgroup.com