Technical Data

Photocentric 3D Resins

Dental Model UV Laser

SPECS

FEATURES

Photocentric's range of dental photopolymers have been formulated to create detailed, high resolution dental models on UV Laser 3D printers. The UV Laser Dental White Model Resin has been developed in conjunction with Dental Technologists to ensure optimal colour, feel and working characteristics. This material is ideal for orthodontic, study and working models. 3D printed objects show minimal shrinkage with a tolerance of 50 µm max. deviation on a full arch. Printed dental parts exhibit extremely high tensile properties and hardness, allowing their use as a working or vacuum forming model. Photocentric's Dental Model Resin will provide excellent print performance on UV Laser 3D printers, allowing you to print crisp and clean dental models.

DATA

Viscosity (At 25ºC Brookfield spindle 3)	800 cPs
Hardness (After post exposure)	82 Shore D
Tensile strength (ASTM D638 After Post Exposure at 60º)	72 MPa
Elongation at break (ASTM D638 After Post Exposure)	6%
Heat deflection temp ASTM D638	N/A
Storage	10<t>50°C
Density	1.10 g/cm3

PROCESSING INSTRUCTIONS

Follow the procedures laid out in your UV Laser 3D printer. Resin should be poured into the tray away from direct sunlight. Resin can also be reused but should be poured through a filter to remove solid lumps. Keep hood on at all times to avoid unwanted curing or contamination. Rinse printed parts with Photocentric's Resin cleaner to remove excess resin and let dry under air. In order to achieve the optimal tensile properties, we recommend a post-exposure under UV light at 60°C for 60 minutes.

AVAILABLE COLOURS

White

Available in 1kg bottles with non-drip cap.

Photocentric

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