

Processing Instructions

- To print with Photocentric Liquid Crystal Magna, choose 'Dental Model White' and the desired layer thickness when preparing your print file in Photocentric Studio.
- Heat the resin to 30°C in the bottle.
- Shake the resin bottle for 2 minutes before pouring into the resin vat.

Post Processing

- Parts can be washed in 15 minutes using Photocentric Resin Cleaner or alternatively, in 10 minutes using Photocentric Resin Cleaner 30.
- Once washed, rinse with warm water for 2 minutes
- Dry with compressed air to remove any remaining water. Or alternatively, leave to air-dry.
- Place the platform into the Photocentric Cure L2 for a minimum of 90 minutes at 60°C or until parts are fully cured.
- Remove the platform from the Cure L2 and immediately submerge in cold water for thermal shocking. Parts can be removed from the platform with minimal effort.
- It is recommended to clean the resin vat after each print job as pigments may settle.

Properties

Tensile Properties

Tensile Modulus *	3020 MPa	ASTM D638
Ultimate Tensile Strength *	63 MPa	ASTM D638
Elongation at break *	4.3%	ASTM D638

Flexural Properties

Flexural Modulus *	2200 MPa	ASTM D790
Flexural Strength *	95 MPa	ASTM D790

Impact Properties

Impact Strength Notched Izod *	22.7 J/m	ASTM D256
Impact Strength Notched Izod *	3.2 kJ/m ²	ISO 180

General Properties

Shore Hardness *	90 Shore D	ASTM D2240
Heat Deflection Temperature	95°C	ASTM D648
Viscosity	900 cPs	At 25°C Brookfield spindle 3
Density	1.09 g/cm ³	
Storage	10<T>50°C	

* Mechanical properties stated based on fully cured material.