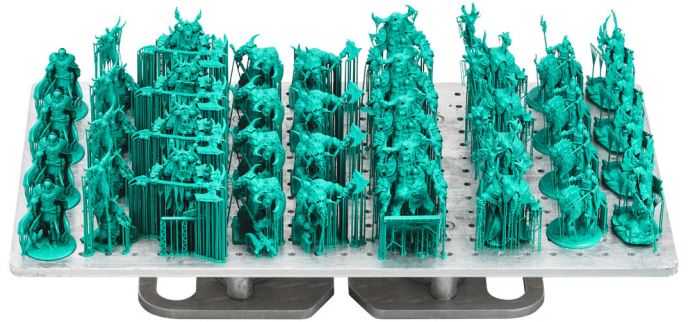




Daylight Magna Concept



SPECS

KEY FEATURES

Magna Concept Green has been designed for producing high definition modelling parts, solely for LC Magna. The printed parts display high tensile strength, durability, high accuracy and detail perfect for modern figurine and modelling market. With high print speeds this resin, also, allows testing designs and modifying to be streamlined. The smooth surface finish is easy to work with can be covered in various primer paints.

PRINTING (PROCESSING) INSTRUCTIONS

Follow the procedures laid out in the LC Magna user manual. Shake resin prior to use, recommended 2 minutes. We would recommend that build heights do not exceed 150mm. Avoid direct sunlight while pouring. The resin is reusable after pouring through the supplied filter and funnel to remove any solids. Always keep door closed when not in use to avoid curing or contamination.

Post Processing guidelines:

- Do not leave the platform in the ambient light before washing and post exposing, this could lead to liquid resin curing prematurely.
- Wash in the wash 99L for approximately 15 minutes (as a maximum)
- Rinse with hot water to remove residue cleaner and resin
- Dry with air compressor to remove any remaining water from the part
- Post cure in a pre-heated Cure L for 2 hours at 60 degrees, for larger parts it can take up to 4 hours to post cure.

Support guidelines:

- Support profile for small parts – 0.6mm tips / 1.5mm pole diameter / 2mm widening factor
- Support profile for large parts – 0.8mm tips / 2mm pole diameter / 2mm widening factor

Recommended resin temperature (pre-printing)

- 30°C

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 5 kg bottles.