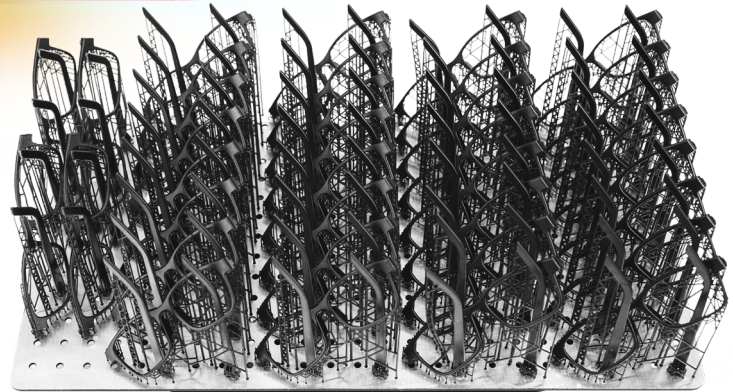


Technical Data



Daylight Magna Hard



SPECS

FEATURES

Photocentric's Magna Hard daylight polymers are ideal for making large scale objects where you want a very hard object with no compressive ability under high force. Scale is now possible with Magna Hard as the resin exhibits minimal shrinkage over large or small areas. Pieces printed also exhibit plastic deformation as it has a yield strength before breaking. Objects will bend and deflect slightly when under duress. They exhibit very high tensile shear properties and reasonable elongation. Magna Hard provides excellent imaging in Magna Liquid Crystal printer. You will experience the benefits of fast exposure times and a wide exposure latitude, allowing you to hold the finest details your machine can provide. The solid material is tough, durable and long lasting provided it is stored in dry conditions away from UV light. Key benefits include large hard and durable parts with excellent accuracy. These parts are easy to use and finish.

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. After making cleaned objects surface tack can be removed by leaving under water in sunlight for 10 minutes.

DATA

Viscosity (At 25°C Brookfield spindle 3)	450cPs
Hardness ASTM D2240 (After post exposure)	86 Shore D
Tensile strength ASTM D638 (After post exposure, 1h UV)	52 MPa
Elongation at break ASTM D638 (After post exposure, 1h UV)	8-10%
Storage	10<t>50°C
Density	1.1 g/cm ³

AVAILABLE COLOURS

Black

Available in 5kg bottles.