



Daylight Pro Hard

SPECS

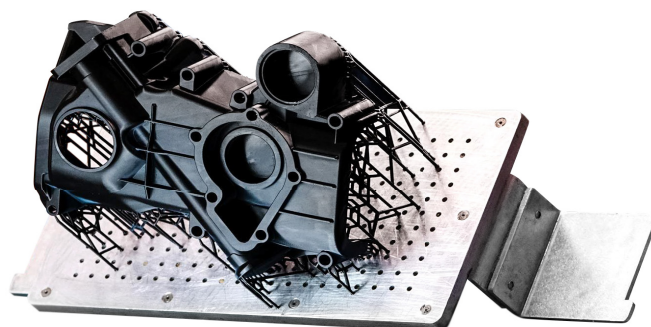
FEATURES

Photocentric's Pro Hard daylight polymers are ideal for making large scale objects where you want a very hard object with no compressive ability under high force. It exhibits only minimal shrinkage. Objects will not bend or deflect when under duress. They exhibit very high tensile shear properties and almost no elongation. Daylight Hard provides excellent imaging in Liquid Crystal printers. 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 a smooth surface finish. These parts are easy to use and finish.

PROCESSING INSTRUCTIONS

Follow the procedures laid out in your 3D Liquid Crystal's user manual.

For best post-processing results, clean using a Photocentric Wash 99L with Photocentric Resin Cleaner for maximum 15 minutes. Rinse thoroughly with warm to hot water. Place in Cure L for 20 minutes in water, for large parts rotate platform in Cure L after 10 minutes for even exposure.



DATA

Viscosity (At 25°C Brookfield spindle 3)	440 cPs
Hardness ASTM D2240 (After post exposure)	86 Shore D
Tensile strength ASTM D638 (After post exposure, 1h UV)	46-53 MPa
Tensile modulus ASTM D638 (After post exposure, 1h UV)	2200-2500 MPa
Elongation at break ASTM D638 (After post exposure, 1h UV)	4-6%
Storage	10<t>50°C
Density	1.18 g/cm ³

AVAILABLE COLOURS

Black

Available in 5kg bottles.