



Daylight Hard

## SPECS

### FEATURES

Photocentric's range of hard daylight polymers are ideal for making objects where you want a very hard object with no compressive ability under high force. It exhibits moderate 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.

### PROCESSING INSTRUCTIONS

Follow the procedures laid out in your 3D Liquid Crystal user manual. For best post-processing results, clean using a Photocentric Wash 15L with Photocentric Resin Cleaner for maximum 15 minutes. Rinse thoroughly with warm to hot water. Place in Cure M or L2 for 20-40 minutes in warm water at 60-80°C. If still tacky, place in water and UV for another 20 minutes.



### DATA

<b>Viscosity</b> (At 25°C Brookfield spindle 3)	230 cPs
<b>Hardness</b> (After post exposure)	77 Shore D
<b>Tensile strength</b> ASTM D638 (After post exposure)	35 MPa
<b>Tensile strength</b> ASTM D638 (Before post exposure)	15 MPa
<b>Tensile modulus</b> ASTM D638 (After post exposure)	2060 MPa
<b>Elongation at break</b> ASTM D638	4%
<b>Heat deflection temp</b> ASTM D638	60°C
<b>Storage</b>	10<t>50°C
<b>Density</b>	1.19 g/cm <sup>3</sup>

### AVAILABLE COLOURS

**Cream, Grey.**

*\*Other colours available on request*

Available in 1kg bottles with non-drip cap.