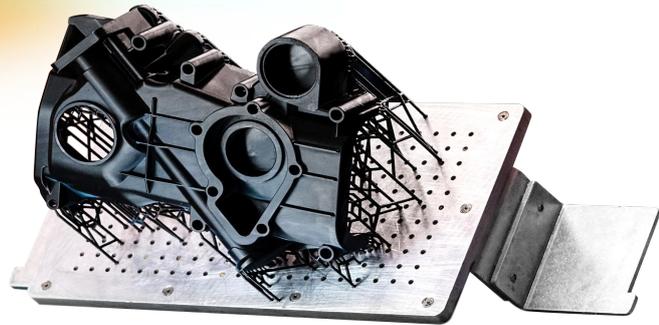


Technical Data



BR3DBLK05-HARD-PRO
Daylight **Pro Hard**
3D polymers



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. 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)	440cPs
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.