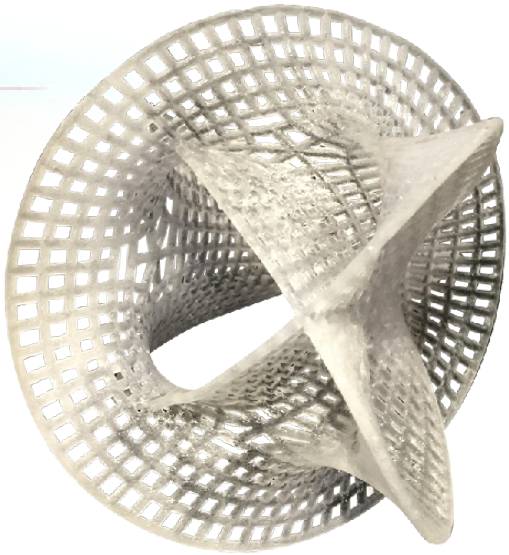
Technical Data

BR3D-UV-Hard-DLP
UV DLP **HARD**
Hard 3D polymers



SPECS

FEATURES

Photocentric's range of hard DLP UV photopolymers are ideal for making objects where you want a very hard object. Objects cannot be bent or compressed.

They exhibit very high tensile shear properties and very low elongation. Objects cannot be bent and compressed. DLP UV Hard provides excellent imaging in your desktop laser 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 touch, durable and long lasting provided it is stored in dry conditions away from strong UV light.

DATA

Viscosity (At 25ºC Brookfield spindle 3)	230 cPs
Hardness (After post exposure)	77 Shore D
Tensile strength ASTM D638 (After post exposure)	42 MPa
Tensile strength ASTM D638 (Before post exposure)	15 MPa
Elongation at break ASTM D638	8.7%
Heat deflection temp ASTM D648	60°C
Storage	10<t>50°C
Density	1.19 g/cm^3

PROCESSING INSTRUCTIONS

Follow the procedures laid out in your 3D DLP printer 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 UV for 20 minutes or longer. If any surface tack persists you can remove it by wiping the parts with IPA.

AVAILABLE COLOURS

Clear, Grey, Red, White

Available in 1kg bottles with non-drip cap.

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