



Daylight Firm

SPECS

FEATURES

Photocentric's range of firm daylight polymers are ideal for making objects where you want a very hard object with slight compressive ability under high force and minimal shrinkage. Objects will bend a little and stretch slightly when under duress. They exhibit high tensile shear properties and limited elongation, objects can only be bent and compressed with force. Daylight Firm provides excellent imaging in Liquid Crystal machines. 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 soapy water, then rinse with warm – hot water. Place in Cure M or L2 in water for 20 minutes. If still tacky, place in water and UV for another 20 minutes.



DATA

Viscosity (At 25°C Brookfield spindle 3)	560 cPs
Hardness (After post exposure)	65 Shore D
Tensile strength ASTM D638 (After post exposure)	26 MPa
Tensile strength ASTM D638 (Before post exposure)	10 MPa
Tensile Modulus ASTM D638 (After post exposure)	700 MPa
Elongation at break ASTM D638	10%
Heat deflection temp	N/A
Storage	10<t>50°C
Density	1.18 g/cm3

AVAILABLE COLOURS

Cream, Grey.

Other colours available on request

Available in 1kg bottles with non-drip cap.