



Technical Datasheet

Durable DL110H

Daylight Resin

Photocentric

Durable DL110H

Tensile Modulus (Low – High)



Impact Strength (Low – High)



Compatible Printers



Available in
5kg bottle

Colour

● Black

○ White

● Smoky Quartz
Translucent

Unique features:



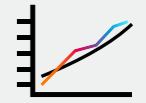
Heat deflection
temperature 80 °C



High impact strength



Tough, durable,
and long lasting



Simulating the
strength and
stiffness of ABS



High definition and
can hold fine details



Smooth surface
finish



Print at 350 µm
layer thickness
(Translucent only)



Durable DL110H Properties

Tensile Properties

Tensile Modulus *	2100 MPa	ASTM D638
Ultimate Tensile Strength *	60 MPa	ASTM D638
Elongation at break *	14%	ASTM D638

Flexural Properties

Flexural Modulus *	2080 MPa	ASTM D790
Flexural Strength *	81 MPa	ASTM D790

Impact Properties

Impact Strength Notched Izod *	110 J/m	ASTM D256
--------------------------------	---------	-----------

General Properties

Hardness *	85 Shore D	ASTM D2240
Heat Deflection Temperature	80 °C	ASTM D648
Water Absorption (Short Term)	1.06%	ASTM D570
Viscosity	480 cPs	At 25°C Brookfield spindle 3
Density	1.14 g/cm ³	
Storage	10<T>50°C	

* Mechanical properties stated based on fully cured material.



We are constantly reviewing and improving our range of high-performance materials. For the very latest information, please visit the Photocentric website



Photocentric's Durable range is the most popular material among Photocentric's functional materials. They can handle impact, compression, bending and stress fatigue without breaking or deforming.

Optimised for:

- Jigs and fixtures requiring minimal deflection at elevated temperature such as drills holders and air intakes
- Cover-plates and enclosures like automotive and motorsport interiors
- Fastenings, tools & couplings
- Strong and stiff prototypes