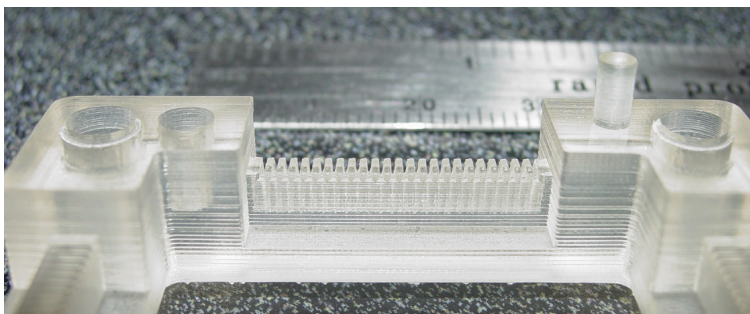


# HI-REZZ<sup>®</sup> A1850CL

## Stereolithography Photopolymer Resin

A rigid ABS like, tough, water resistant, clear resin for 355 nm Solid State Laser Systems



### OPTICAL PROPERTIES @ 355nm - Liquid

DESCRIPTION	VALUE
Viscosity @ 30° C	125 cps
Appearance	Clear
Critical Exposure (Ec)	6.7 mj/cm <sup>2</sup>
Penetration Depth (Dp)	4.6 mils

DEVELOPED  
AND  
MANUFACTURED  
IN THE USA



### TYPICAL PROPERTIES

MEASUREMENT	CONDITION	UNITS	VALUE
Tensile Strength	ASTM D638	MPa	54.2
		PSI	7,861
Tensile Modulus	ASTM D638	MPa	2,380
		PSI	345,190
Elongation At Break	ASTM D638	%	14.7
Flexural Strength	ASTM D790	MPa	75.8
		PSI	10,994
Flexural Modulus	ASTM D790	MPa	2,000
		PSI	290,075
Impact Strength Notched Izod	ASTM D256	J/m	22
		ft-lb/in	.41
Hardness	ASTM D2240	Shore D	78
Glass Transition	ASTM D3418-03	°C	58
Heat Deflection @ 66 psi Heat Deflection @ 264 psi	ASTM D648	°C	50
		°C	44
Water Absorption	ASTM D570-98	%	< .10

### Characteristics

- Cleans with alcohol
- Excellent finishing
- Fast building
- Very low viscosity
- Water resistant
- High green strength
- Minimal UV post cure
- Excellent rewetting
- Supports break clean
- Clear

### Applications

- RTV Patterns
- Quickcast
- Water flow studies
- Concept models
- Small feature connectors



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