

KZ-1850-ICE

General Purpose Resin

Solid State
355 nm Lasers

Description:

Allied PhotoPolymers KZ-1850-CL is a rigid ABS like, tough, water resistant, clear resin for 355 nm Solid State Laser Systems.

KZ-1850-CL is optically clear and will allow the user to benefit from the These build characteristics. This material can be offered in a variety of colors

Applications:

RTV Patterns
Water flow studies
Small feature connectors

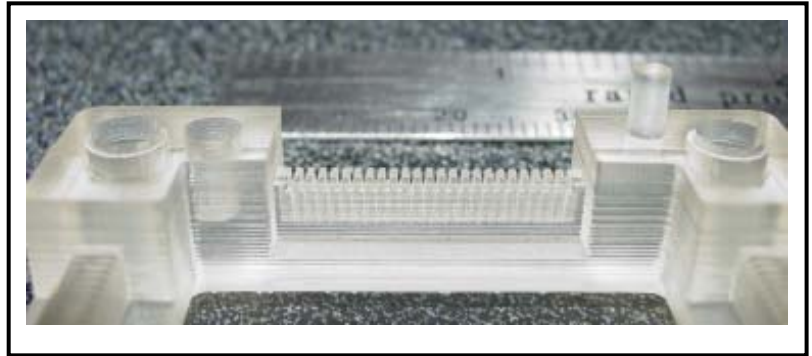
Quickcast
Concept Models

Characteristics:

- ✓ Cleans with Alcohol
- ✓ Excellent finishing
- ✓ Fast building
- ✓ Very low viscosity
- ✓ Water resistant
- ✓ High green strength
- ✓ Excellent re-wetting
- ✓ Supports break clean
- ✓ Clear
- ✓ Offered in variety of pigmented colors

PHYSICAL PROPERTIES

DESCRIPTION	UNITS	VALUE
Viscosity	cps	125
Appearance	Clear	n/a
Critical Exposure (Ec)	mj/cm ²	6.7
Penetration Depth (Dp)	mils	4.6



MECHANICAL PROPERTIES

MEASUREMENT	ASTM METHOD	UNITS	VALUE
Tensile Strength	ASTM D638	Mpa	54.2
Tensil Modulus	ASTM D638	MPa	2,380
Elongation At Break	ASTM D638	%	14.7
Flexural Strength	ASTM D790	MPa	75.8
Flexural Modulus	ASTM D790	MPa	2,000
Impact Strength Notched Izod	ASTM D256	J/m ft-lb/in	22 0.41
Hardness	ASTM D2240	Shore D	78
Glass Transition	ASTM D3418-03	°C	58
Heat Deflection @ 66 psi	ASTM D648	°C	50
Heat Deflection @ 264 psi	ASTM D648	°C	44



Owned and
Manufactured
In USA



Allied PhotoPolymers®

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