

PHOTO REACTIVE RESIN FOR SLA SYSTEM
ZR60 MATERIAL DATA SHEET

DESCRIPTION	
<p>ZR60 is a clear resin for SL Production Systems which has accurate and durable features. It is designed for 350 nm Solid State Laser Systems. ZR60 is ideal for master patterns, concept models, general parts and functional prototypes. ZR60's low viscosity allows for easy recoating, fast cleaning of parts and machines. It is ideal for dimensionally challenging parts and has superior humidity resistance. Requires minimal post building treatment.</p>	
PHYSICAL PROPERTIES	
Appearance	Clear
Density (g/cm ³)	1.12g/cm ³
Viscosity (cps)	179cps
Dp (mils)	7.1mils
Ec (mJ/cm ²)	10.7mJ/cm ²
MECHANICAL PROPERTIES	
Tensile Strength (MPa)	38-43MPa
Tensile Modulus (MPa)	1,932-2,032MPa
Elongation At Break	11-23%
Flexural Strength (MPa)	66-72MPa
Flexural Modulus (MPa)	1,981-2,312MPa
Impact Strength (J/m)	44-62J/m
Hardness (ShoreD)	86
Water Absorption	-
Heat Deflection (°C)	48°C