

# SLA Materials

## C-UV 9400

### Product Description

C-UV 9400 is an ABS like SL resin which has accurate and durable features. It is designed for solid state SLA platforms. C-UV 9400 can be applied in master patterns, concept models, general parts and functional prototypes in the field of automotive, medical and consumer electronics industries. Parts built from C-UV 9400 stay durable for over 6.5 months.

### Typical Features

- Liquid resin's medium viscosity, so easy recoating, easy to clean parts and machines
- Improved strength retained, improved dimensions retention of parts in humid condition
- Need minimal part finishing
- Long shelf life in machine

### Typical Benefits

- Need less part finishing time, easier post-curing
- Builds accurate and high tough parts with an improved dimensional stability
- High quality controls for vacuum casting parts
- Low shrink and good resistance to yellowing
- Magnificent white color
- Outstanding machinable SLA material

### Physical Properties — Liquid Material

Appearance	Density	White
Viscosity DP EC Building		1.13 g/cm3 at 25°C
Layer Thickness		355cps at 28°C
		0.145mm
		9.3 mJ/cm3
		0.1mm

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### Mechanical Properties of Post-Cured Material

Measurement	Test Method	Value	90-minute	UV
		post-cure	83	2692 -
Hardness(ShoreD)	Flexural ASTM D2240	2775	69 - 74	2189 -
Modulus Flexural Strength Tensile	D790 ASTM D790	2395	27 - 31	12 - 20%
Modulus Elongation at Break	ASTM D638	58 - 70	52	62 97*E-6
Impact Strength, notched Izod, J/m	D638 ASTM D638	1.16		
Heat Deflection temperature, °C	ASTM D256			
Glass Transition, Tg Coefficient of	D648@66PSI DMA,			
Thermal Expansion Density	E"peak TMA (T<Tg)			