
ABS clear resin

PRODUCT DESCRIPTION

C6006 is a clear SLA resin which has accurate and durable features. It is designed for solid state SLA platforms. C6006 can be applied in master patterns, concept models, general parts and functional prototypes in the field of automotive, medical and consumer electronics industries.

TYPICAL FEATURES

- Liquid resin`s medium viscosity, so easy recoating, easy clean parts and machines
- Improved strength retention, improved dimensions retention of parts in humid condition
- Good green strength, so need minimal part finishing

TYPICAL BENEFITS

- Superior clear, building parts with outstanding clarity and excellent accuracy
- Need less part finishing time, easier post-curing

Physical Properties – Liquid Material

Appearance	Clear
Density	1.12g/cm ³ @ 25 °C
Viscosity	408cps @ 26 °C
Dp	0.18 mm
Ec	6.7 mJ/cm ²
Building layer thickness	0.1mm

Mechanical Properties of Post-Cured Material

MEASUREMENT	TEST METHOD	VALUE
		90-minute UV post-cure
Hardness, Shore D	ASTM D 2240	83
Flexural modulus, Mpa	ASTM D 790	2,680-2,790
Flexural strength, Mpa	ASTM D 790	75- 83
Tensile modulus, MPa	ASTM D 638	2,580-2,670
Tensile strength, MPa	ASTM D 638	45-60
Elongation at break	ASTM D 638	11-20%
Impact strength, notched Izod, J/m	ASTM D 256	38 - 48
Heat deflection temperature, °C	ASTM D 648 @66PSI	52
Glass transition, Tg , °C	DMA, E'' peak	62