

Clear ABS-Like Resin - Technical Data

High Temp Resistant Resin - Technical Data

Advantages:

- High temperature resistance
- Excellent dimensional stability
- High strength and accuracy

Ideal Applications:

- Prototypes needing high-temp resistance
- Quick mold

Optical & Liquid Properties:

- Appearance: Semi-translucent
- Viscosity: 340 cps @ 28°C
- Density: 1.14 g/cm³ @ 25°C
- Building layer thickness: 0.08-0.12 mm
- Penetration depth (Dp): 0.115 mm
- Critical exposure (Ec): 13.5 mJ/cm²

Mechanical Properties (After UV Post-Curing):

Measurement	Test Method	Value
Tensile Strength (MPa)	ASTM D 638	65-71
Elongation at break (%)	ASTM D 638	3-5%
Bending Strength (MPa)	ASTM D 790	110-115
Flexural Modulus (MPa)	ASTM D 790	2720-2850
Impact Strength (J/m)	ASTM D 256	20-25
Shore Hardness (D)	ASTM D 2240	87
Glass Transition Temp (°C)	DMA, tan δ peak	135
Thermal Expansion Coefficient (25-50°C)	ASTM E831-05	50 $\mu\text{m}/\text{m}^\circ\text{C}$
Thermal Expansion Coefficient (50-100°C)	ASTM E831-05	150-160 $\mu\text{m}/\text{m}^\circ\text{C}$