



Build Volume:
600 x 600 x 400mm



Build Layer: 0.1 mm



Min. Feature Size: 0.5 mm



High Temperature SLA Resin

High Temp 220D is a high-temperature SLA photopolymer resin developed for components that require dimensional stability and mechanical performance at elevated temperatures. When correctly post-processed, parts can achieve a heat deflection temperature (HDT) of up to 227°C.

Key Features

- **High heat resistance:** HDT up to 227°C (post-processed)
- **High stiffness & strength:** suited to functional prototypes and tooling-style applications
- Good surface quality & accuracy: designed for precision SLA builds

Typical Applications

- Wind tunnel models
- Impellers
- Motors / housings
- Rapid tooling

Properties	Value
Hardness	Shore D 90
Flexural modulus (Mpa)	4321 MPa -(ASTM D2240)
Flexural strength (Mpa)	116 MPa -(ASTM D790)
Impact-strength notched Izod (J/m)	16 J/m
Heat-deflection temperature (°C)	HDT @0.455 MPa: 227 °C
Heat-deflection temperature (°C)	HDT @1.82 MPa: 170 °C
Density (g/cm ³)	1.16 g/cm ³ @25°C