

Formlabs High Temp

Key Features

Heat resistance up to 238°C • Smooth surface • High resolution

Applications

Prototyping • Jigs and fixtures • Tooling • Engineering • Consumer goods

Product Description

High Temp Resin boasts a high heat deflection temperature (HDT) of up to 238°C @ 0.45 MPa (after additional thermal cure), the highest among resins, making it ideal for printing detailed, precise prototypes with exceptional temperature resistance. With a translucent to yellowish appearance, it offers versatility for various applications. This resin simplifies experimentation with high-temperature applications, ensuring ease of use and adaptability for different projects.

Properties*

Tensile modulus	2,800 MPa
Tensile strength	58 MPa
Elongation at break	3.3%
Flexural strength	95 MPa
Flexural modulus	2,600 MPa
Notched IZOD	18 J/m°C
Heat deflection temperature (0.45 MPa)	120°C
Heat deflection temperature (1.80 MPa)	78°C
Coefficient of thermal expansion	80 µm/m/°C

*Post-cured state

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

