

Resin data sheet

Essential properties
and resin characteristics

High-temperature 2-photon resin

In cooperation with Cubicure, a resin with an exceptionally high heat deflection temperature HDT-B of greater than 300°C was developed. Paired with a high mechanical stiffness, it is ideal for static high temperature applications. The resin is non-cytotoxic, certified according to EN ISO 10993-5:2009.

Print set-up

Objectives:
5x, 10x

Print mode:
heated-vat



Elastic modulus	4,200 MPa
Tensile strength	60 MPa
Elongation at failure	1.4%
Flexural modulus	4,200 MPa
Flexural strength at 3.5%	190 MPa
Deflection at break	4.7%
Hardness	90 shore D
HDT A at 1.8 MPa	>180°C
HDT B at 0.45 MPa	>300°C