



Resin data sheet

Essential properties
and resin characteristics

High performance 2-photon resin

The high-performance standard resin for functional components which are fully cured after 3D printing and require no thermal or optical post-processing. The polymerized parts are autoclavable and non-cytotoxic, certified according to EN ISO 10993-5:2009.

Print set-up

Objectives:
5x, 10x, 20x, 40x

Print modes:
vat, bottom-up



Elastic modulus	2,800 MPa
Tensile strength	85 MPa
Elongation at failure	12%
Flexural modulus	2,900 MPa
Flexural strength at 3.5%	127 MPa
Density	1.21 g/cm ³
Hardness	85 shore D
HDT A at 1.8 MPa	84°C
Dielectric constant <1 MHz	2.85
Refractive index at 589 nm	1.512



UpPhoto transmission spectrum

The transmission spectrum of UpPhoto was measured through a 200 μm thick, fully polymerized test specimen. High transmission in the NIR spectral region. Allows telecom applications.

