



Resin data sheet

Essential properties
and resin characteristics

Low-viscosity and low-fluorescent 2-photon resin

The optical transparency and low viscosity make the resin ideal for printing microfluidics with channels smaller than 50 μm . In addition, the resin exhibits low autofluorescence and the material is certified as non-cytotoxic, according to EN ISO 10993-5:2009. UpFlow obtains its final properties after a UV post-curing step.

Print set-up

Objectives:
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

