



# Resin data sheet

Essential properties  
and resin characteristics

## Refractive index-matched 2-photon resin

The refractive index of the material is matched to the immersion oil of high NA objectives and high cross-linking. It is used for ultrahigh-resolution applications and ideal for the fabrication of 2.5D patterns as well as structural details in the micro- and nanometer range.

### Print set-up

Objective:  
40x

Print modes:  
vat, bottom-up



Elastic modulus	3,160 MPa
Tensile strength	62 MPa
Elongation at failure	2.3%
Flexural modulus	3,000 MPa
Flexural strength at 3.5%	103 MPa
Density	1.26 g/cm <sup>3</sup>
Hardness	85 shore D

