



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