

# Zirlux® Printing Liquids

Take in-house manufacturing to new heights with Zirlux 3-D Printing Liquids. These light-curing resins can be used for a variety of applications to help your digital workflow.

## Highlights:

- Blue light sterilolithography
- 405 nm-LED-based DLP systems



### Zirlux 3D Guide Liquid

Color: blue-transparent

#### Properties:

- Density: 1.1–1.2 g cm<sup>-3</sup>
- Viscosity: 0.8–0.9 Pa s

#### Cured material:

- Post-curing time using PCU EVO: 10 min in a protective gas atmosphere
- Flexural modulus: >1700 MPa
- Flexural strength: >85 MPa
- Elongation at break: 10–15 %
- Hardness: 80–85 Shore D

#### Build speed using Rapid Shape D30

- Build speed: Ø 13.8 mm/h



### Zirlux 3D Model Liquid

Color: opaque beige

#### Properties:

- Density: 1.1–1.2 g cm<sup>-3</sup>
- Viscosity: 0.8–1.3 Pa s

#### Cured material:

- Post-curing time using PCU EVO: 12 min in a protective gas atmosphere
- Flexural modulus: >1750 MPa
- Flexural strength: >85 MPa
- Elongation at break: 11–15 %
- Hardness: 80–85 Shore D

#### Build speed using Rapid Shape D30

- Build speed: Ø 15.5 mm/h



### Zirlux 3D Cast Liquid

Color: red-transparent

#### Properties:

- Density: 1.1–1.2 g cm<sup>-3</sup>
- Viscosity: <0.3 Pa s

#### Cured material:

- Post-curing time using PCU EVO: 10 min in a protective gas atmosphere
- Flexural modulus: >2000 MPa
- Flexural strength: >100 MPa
- Elongation at break: 7.5–11 %
- Hardness: 80–90 Shore D
- Cauterisation Residual ash content: ca. 1.5 %

#### Build speed using Rapid Shape D30

- Build speed: Ø 15.3 mm/h