

Technical Data Sheet

Ultracur3D[®] EL 60

Reactive Urethane Photopolymer

General Properties	Norm	Typical Values
Viscosity, 30 °C	Cone/Plate Rheometer ¹	3378 mPas
Viscosity, 50 °C	Cone/Plate Rheometer ¹	890 mPas
Density	ASTM D792	1.12 g/cm ³
Density (liquid resin)	ASTM D4052-18a	1.08 g/cm ³

Tensile Properties	Norm	Typical Values
E Modulus	ASTM D412 C	48 MPa
Ultimate Tensile Strength	ASTM D412 C	5 MPa
Elongation at Break	ASTM D412 C	70 %

Mechanical Properties	Norm	Typical Values
Tear Strength	ASTM D624	16 N/mm
Rebound Resilience	ASTM D1054	17 %
Compression at 23°C, 72h	ASTM D395-B	1 %

Hardness	Norm	Typical Values
Shore A	ASTM D2240	71

¹) Determined with TA-Instrument DHR rheometer, cone/plate, diameter 60 mm, shear rate 100 s⁻¹

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