

Technical Data Sheet

Ultracur3D[®] FL 300

Reactive Urethane Photopolymer

General Properties	Norm	Typical Values
Viscosity, 30 °C	Cone/Plate Rheometer ¹	159 mPas
Viscosity, 50 °C	Cone/Plate Rheometer ¹	75 mPas
Density	ASTM D792	1.07 g/cm ³
Density (liquid resin)	ASTM D4052-18a	1.01 g/cm ³

Tensile Properties	Norm	Typical Values
E Modulus	ASTM D412 C	8 MPa
Ultimate Tensile Strength	ASTM D412 C	5 MPa
Ultimate Elongation	ASTM D412 C	245 %

Mechanical Properties	Norm	Typical Values
Tear Strength	ASTM D624	11 N/mm
Rebound Resilience	ASTM D1054	16 %
Compression at 23°C, 72h	ASTM D395-B	31 %

Hardness	Norm	Typical Values
Shore A	ASTM D2240	39

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

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