

## Technical Data Sheet

# Ultracur3D<sup>®</sup> FL 300

Reactive Urethane Photopolymer

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

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

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

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. The safety data given in this publication is for information purposes only and does not constitute a legally binding MSDS. The relevant MSDS can be obtained upon request from your supplier or you may contact BASF 3D Printing Solutions GmbH directly at [sales@basf-3dps.com](mailto:sales@basf-3dps.com). Version 1.0