

## Technical Data Sheet

# Ultracur3D® ST 7500 G

Tough | Durable | Grey

General Properties	Norm	Typical Values
Appearance	-	Grey
Viscosity, 30 °C	Cone/Plate Rheometer <sup>1</sup>	130 mPas
Viscosity, 50 °C	Cone/Plate Rheometer <sup>1</sup>	80 mPas
Density (printed part)	ASTM D792	1.21 g/cm <sup>3</sup>
Density (liquid resin)	ASTM D4052-18a	1.109 g/cm <sup>3</sup>

Tensile Properties	Norm (5 mm/min)	Typical Values
E Modulus	ASTM D638	2300 MPa
Ultimate Tensile Strength	ASTM D638	54 MPa
Elongation at Break	ASTM D638	13 %

Flexural Properties	Norm	Typical Values
Flexural Modulus	ASTM D790	2150 MPa
Flexural Strength	ASTM D790	95 MPa

Impact Properties	Norm	Typical Values
Notched Izod (Machined), 23 °C	ASTM D256	25 J/m
Unnotched Izod, 23 °C	ASTM D256	546 J/m
Charpy notched, 23 °C	ISO 179-1	3.2 kJ/m <sup>2</sup>

Thermal Properties	Norm	Typical Values
HDT at 0.45 MPa	ASTM D648	64 °C
HDT at 1.82 MPa	ASTM D648	54 °C

Hardness	Norm	Typical Values
Shore D	ASTM D2240	82

Other	Norm	Typical Values
Biocompatibility	ISO 10993	Information available on request
Water Absorption, Short Term (24 hours)	ASTM D570	0.9 %

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

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