

Technical Data Sheet

Ultracur3D® EL 4000

Flexible | 90 A | Clear

General Properties	Norm	Typical Values
Appearance	-	Clear
Viscosity, 30 °C	Cone/Plate Rheometer ¹	350 mPas
Viscosity, 50 °C	Cone/Plate Rheometer ¹	120 mPas
Density (printed part)	ASTM D792	1.13 g/cm ³
Density (liquid resin)	ASTM D4052-18a	1.06 g/cm ³

Tensile Properties	Norm (500 mm/min)	Typical Values
Ultimate Tensile Strength	ASTM D412 C	11 MPa
Elongation at Break	ASTM D412 C	172 %

Impact Properties	Norm	Typical Values
Unnotched Izod, 23 °C	ASTM D256	No break

Mechanical Properties	Norm	Typical Values
Tear Strength (Graves)	ASTM D624 type C	37 N/mm
Tear Strength (Trouser)	ASTM D624 type T	3 kN/m
Rebound Resilience	ASTM D7121	30 %
Relative Abrasion Loss	ISO 4649	575 mm ³
Compression set at 23°C, 72h	ASTM D395-A	8 %
Compression set at 23°C, 72h	ASTM D395-B	60 %

Hardness	Norm	Typical Values
Shore A	ASTM D2240	90

Other	Norm	Typical Values
Water Absorption, Short Term (24 hours)	ASTM D570	2.3 %

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

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