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Technical Data Sheet

Ultracur3D® EL 150

Flexible resin with optimum strength, rebound and medium hardness.

General Properties	Norm	Typical Values
Apperance	-	Clear
Viscosity, 30 °C	Cone/Plate Rheometer[1]	90 mPas
Viscosity, 50 °C	Cone/Plate Rheometer[1]	45 mPas
Density (printed part)	ASTM D792	1.09 g/cm3
Density (liquid resin)	ASTM D4052-18a	1.04 g/cm3

Tensile Properties	Norm	Typical Values
E Modulus	ASTM D412 C	25 MPa
Ultimate Tensile Strength	ASTM D412 C	6 MPa
Elongation at Break	ASTM D412 C	150 %

Mechanical Properties	Norm	Typical Values
Tear Strength (Graves)	ASTM D624 type C	15 N/mm
Rebound Resilience	ASTM D1054	25 %
Compression set at 23°C, 72h	ASTM D395-B	35 %

Hardness	Norm	Typical Values
Shore A	ASTM D2240	80

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

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