

Technical Data Sheet

Ultracur3D® FL 300

Flexible resin with superior elongation
and softness.

| General Properties | Norm | Typical Values |
|------------------------|-----------------------------------|------------------------|
| Appearance | - | Clear |
| Viscosity, 30 °C | Cone/Plate Rheometer ¹ | 160 mPas |
| Viscosity, 50 °C | Cone/Plate Rheometer ¹ | 75 mPas |
| Density (printed part) | ASTM D792 | 1.07 g/cm ³ |
| Density (liquid resin) | ASTM D4052-18a | 1.01 g/cm ³ |

| Tensile Properties | Norm | Typical Values |
|---------------------------|-------------|----------------|
| Ultimate Tensile Strength | ASTM D412 C | 5 MPa |
| Elongation at Break | ASTM D412 C | 245 % |

| Mechanical Properties | Norm | Typical Values |
|------------------------------|------------------|----------------|
| Tear Strength (Graves) | ASTM D624 type C | 9 N/mm |
| Rebound Resilience | ASTM D1054 | 16 % |
| Compression set at 23°C, 72h | ASTM D395-B | 31% |

| Hardness | Norm | Typical Values |
|----------|------------|----------------|
| Shore A | ASTM D2240 | 40 |

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

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