

## Technical Data Sheet

# Ultracur3D<sup>®</sup> DMD 1005

Daylight | Dental Model | Beige

General Properties	Norm	Typical Values
Appearance	-	Beige
Viscosity, 30 °C	Cone/Plate Rheometer <sup>1</sup>	110 mPas
Viscosity, 50 °C	Cone/Plate Rheometer <sup>1</sup>	40 mPas
Density (printed part)	ASTM D792	1.5 g/cm <sup>3</sup>

  

Tensile Properties	Norm (5 mm/min)	Typical Values
E Modulus	ASTM D638	2710 MPa
Ultimate Tensile Strength	ASTM D638	60 MPa
Elongation at Break	ASTM D638	4 %

  

Flexural Properties	Norm	Typical Values
Flexural Modulus	ASTM D790	2400 MPa
Flexural Strength	ASTM D790	85 MPa

  

Impact Properties	Norm	Typical Values
Unnotched Izod (Machined), 23 °C	ASTM D256	10 J/m
Notched Izod (Machined), 23 °C	ASTM D256	1.6 J/m
Charpy notched, 23 °C	ISO 179-1	1.1 kJ/m <sup>2</sup>

  

Thermal Properties	Norm	Typical Values
HDT at 0.45 MPa	ASTM D648	93 °C
HDT at 1.82 MPa	ASTM D648	73 °C

  

Hardness	Norm	Typical Values
Shore D	ASTM D2240	80

<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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