



Bilby 3D

MATERIAL DATA SAFETY SHEET

Issued in Australia by Bilby 3D Pty Ltd.

The attached Material Data Safety Sheet has been prepared by the manufacturer outside Australia.

In accordance with Australia WHS regulations the following Australian contact details apply

Section 1: AUSTRALIAN COMPANY DETAILS

In Australia the product is imported and distributed by:
Bilby 3D Pty Ltd

Mailing Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Head Office Address :

Kingsgrove Business Centre, 7/192 Kingsgrove Rd, Kingsgrove NSW 2208

Contact Phone: 1800 847 333

Section 2: AUSTRALIAN EMERGENCY CONTACT

Emergency Contact

In the event of an emergency please contact:

Poisons Information Centre 24 hour Telephone Advice Line on 13 11 26

Section 3: AUSTRALIAN ISSUE DATA

Date of Issue : 1 March 2020

Technical Data Sheet

Ultracur3D[®] EL 4000 B

Flexible | 90 A | Black

General Properties	Norm	Typical Values
Appearance	-	Black / translucent Black
Viscosity, 30 °C	Cone/Plate Rheometer ¹	360 mPas
Viscosity, 50 °C	Cone/Plate Rheometer ¹	150 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	120 %

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	49 N/mm
Rebound Resilience	ASTM D7121	26 %
Relative Abrasion Loss	ISO 4649	254 mm ³
Compression set at 23°C, 72h	ASTM D395-A	7 %
Compression set at 23°C, 72h	ASTM D395-B	58 %

Hardness	Norm	Typical Values
Shore A	ASTM D2240	90

Other	Norm	Typical Values
Water Absorption, Short Term (24 hours)	ASTM D570	2.1 %

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

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