



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

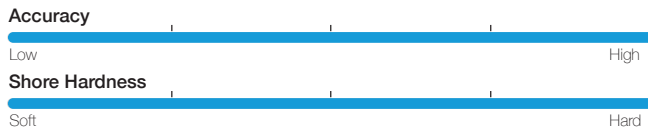


Daylight Magna Dental Model Beige



Magna Platform pictured shows 48 x Aligner Models

Properties



Compatible

Daylight 3D Printers



Liquid Crystal
MAGNA

Colours

Beige

Available in 5kg and 18kg bottles

Introduction

Photocentric Magna Dental Model Beige has been specially created for 3D printing highly detailed and accurate dental models. It provides outstanding accuracy with least 95% of scanned data $\pm 100\mu\text{m}$, perfect for Aligner Dental Model production. Using Magna Dental Model Beige ensures a dry surface finish, accurate detail and great mechanical stiffness with a high Shore hardness rating for 3D printed parts.

Best Used for:

- Orthodontic models for clear aligner manufacture
- Study, opposing and denture base dental models
- Thermoforming

USPs

- High accuracy
- Crisp definition
- High stiffness and hardness
- Easy to print and post process

Processing Instructions

- Recommended working temperature should be at least 20°C.
- Shake resin for approximately 2 minutes prior to use.

Post Processing

- Keep parts on the platform. Wash for maximum 15 minutes in Photocentric Resin Cleaner, 1 minute warm water rinse and then air dry the parts. Post cure for 2hrs at 60°C in CureL2.

Properties

Tensile Properties

Tensile Modulus *	2750 MPa	ASTM D638
Ultimate Tensile Strength *	56 MPa	ASTM D638
Elongation at break *	2.7 %	ASTM D638

Flexural Properties

Flexural Strength *	84 MPa	ASTM D790
Flexural Modulus *	2570 MPa	ASTM D790

Impact Properties

Impact Strength Notched Izod *	2.5 KJ/m2	ISO 180
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General Properties

Hardness *	84 Shore D	ASTM D2240
Viscosity	150 cPs	At 25°C Brookfield spindle 3
Density	1.10 g/cm3	
Storage	10<T>50°C	

* Post cured for 2hrs at 60°C in CureL2