



# 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

# Mayku Cast Sheet 0.5mm

## Material Safety Data Sheet



Information provided by the supplier:

**Company Name:** Dongguan Wan Su Cheng Plastic Co., Ltd.

**Company Address:** Building L, Shasi High-tech Park, Shajing Street, Baoan District, Shenzhen, Guangdong, China

**Company Tel:** 0755-81768386

**Company Fax:** 0755-81768380

### PART 1 : Raw Material Composition – PETG

Material name	Specification (mm)	Contains Chemical Substance	CAS Number	Percentage
PETG	0.2 -1.5	Ethylene Glycol (EG)	107-21-1	18%
		Terephthalic Acid (TPA)	100-21-0	77%
		1,4-Cyclohexanedimethanol (CHDM)	105-08-8	5%

### PART 2 : PETG Sheet Ingredients (Mixed)

Product	Material	Composition
Transparent PETG sheet	PETG	Original rubber particles, slip agent
Blue PETG sheet	PETG	Original rubber particles, slip agent, blue dye
White PETG sheet	PETG	Original rubber particles, slip agent, white dye

### PART 3 : Physical and Mechanical Performance Table

Item	Standard	Unit	Value
Density	ASTM D792	(g/cm <sup>3</sup> )	1.27
Impact strength	ASTM D256	J/M-(kgf.cm/cm)	90 (9.2)
Heat resistant temperature ≤	ASTM D848	(°C)	Humidity 35%, up to 60 ° C
Deformation temperature ≥	ASTM D848	(°C)	70 ° C
Tensile Strength	ASTM D638	Mpa (kgf/cm <sup>2</sup> )	26 (266)
Tensile elongation at break, %	ASTM D638	(%)	140
Haze, % ≤	ASTM D1003	(%)	<1.0
Transmittance, % ≥	ASTM D1003	(%)	89

### PART 4 : PETG Sheet Properties and Uses

Item	Value
Density	1.27-1.30 (g/cm <sup>3</sup> )
Melting point	220°C-260°C
Glass transition temperature	72°C
Colour	Colourless transparent, blue transparent, white
Thickness	0.2mm to 1.5mm
Width	460mm~760mm
Exterior	Flat, no air bubbles, no creases, no foreign matter
Lightfastness	Yellowing in the case of three months in the sun
Use	Used for blistering, folding boxes, printing, packaging, etc.
Storage (use) condition	Dry, dust-free, cool, protected from light, and protected from ultraviolet rays

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## PART 5 : Hazard Identification Data

**Health hazard effect:** None

**Environmental impact:** None

**Physical and chemical hazards:** None

**Special hazard:** None

**Main symptoms:** None

**Item hazard classification:** None

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## PART 6: Fire Fighting Measures

**Suitable fire extinguishing agent:** water, foam fire extinguisher, dry powder fire extinguisher

**Special hazards that may be encountered at any time during firefighting:** None

**Special fire extinguishing procedures:**

1. Under the safety permit, the fuel source of the fire is extinguished.
2. Fire-fighting procedures should be carried out under fire-fighting clothing and smoke masks.
3. Breathing apparatus should be worn for larger fires.

**Special protective equipment for firefighters:** Breathing apparatus

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## PART 7: Leakage Treatment Method

**Personal precautions:** None

**Environmental considerations:** None

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## PART 8: Safe Disposal and Storage Methods

**Disposal:** General waste, landfill or incineration. Recycling where available.

**Storage:** Store in a cool, dry place.

1. The storage area should be smoke-free.
  2. Indoor storage should be kept away from power, heat, sparks and flames.
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## PART 9: Exposure Prevention Measures

**Engineering Control:** None

**Respiratory protection:** Protective mask for dust prevention

**Hand protection:** Insulated gloves

**Eye protection:** Protective goggles

**Skin and body protection:** Long-sleeved overalls and safety shoes

**Hygiene measures:** Wash hands thoroughly after work

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## PART 10: Stability and Reactivity

**Stability:** Stable

**Possible hazardous reactions under special conditions:** None

**Conditions to avoid:** Avoid heat sources

**Substances to be avoided:** Strong acid and alkali, strong oxide

**Hazardous decomposition products:** The main volatiles above the decomposition temperature are:  
low molecular weight PET monopolymers, carbon monoxide, carbon dioxide.

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## PART 11: Toxicity Data

**Acute toxicity:** None

**Local effect:** None

**Sensitivity:** None

**Chronic or long-term toxicity:** None

**Special effects:** None

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## PART 12: Ecological Information

**Possible environmental impact:** None

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PART 13: Disposal Methods

**Disposal method:** Discard according to the government's waste storage and disposal methods and facilities standards. Recycle where possible.

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PART 14: Transport Information

**International shipping regulations:** None

**UN number:** None

**Domestic shipping regulations:** None

**Special shipping methods and precautions:** Sun protection, anti-ultraviolet light, avoid moisture

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PART 15: Regulatory Information

**Applicable regulations:** None

Wan Su Cheng Plastic Co., Ltd.

