

GINGIVA GUM-LIKE RESIN

1. Product Overview

GINGIVA™ Flexible Dental Resin replicates the natural look and flexibility of gum tissue for implant and prosthetic dental models. Formulated to produce soft, realistic gingiva sections, it enhances the precision and visual realism of implant workflows.

Easily adjustable by grinding or trimming, allowing fine-tuning for accurate prosthetic simulation.

Available in MSLA and DLP versions, ensuring optimal performance across printer types.

2. Key Features & Benefits

- ✓ Natural gum-like flexibility and colour
- ✓ High tear resistance and elastic recovery
- ✓ Easy to trim and adjust for perfect fit
- ✓ Enhances realism in implant workflows
- ✓ Compatible with MSLA and DLP printers
- ✓ Streamlines digital dental model fabrication

3. Applications

- Soft-tissue simulation for implant models
- Crown and bridge restoration models
- Surgical and prosthetic planning models
- Educational and demonstration models

4. Physical Properties

Property	Value	Test Method
Appearance	Solid Pink	Visual
Odour	4. Distinct odour	VDA 270
Tensile Strength (MPa)	2.7	ASTM D638
Viscosity @ 25°C cP	400	ASTM D2196
Density g/cm³	1.1	ASTM D792
Hardness (Shore A)	65	ASTM D2240
Flexural Stress (MPa)	7	ASTM D790
Elongation at Break	36%	ASTM D638
Heat Deflection Temp	45°C @ 0.45MPa	ASTM E1356

5. Printer Compatibility

- Compatible with MSLA & DLP 3D Printers
- Asiga, SprintRay, Phrozen, Anycubic, Elegoo, and more
- Curing wavelength: 365–405nm UV

10. Disclaimer

The information provided in this Technical Data Sheet is based on laboratory testing and intended as a general guideline. Actual results may vary depending on printing conditions, curing methods, and environmental factors. Monocure3D assumes no liability for improper use of this product.

6. Printing & Post-Processing Guidelines

Printing Parameters

Layer Thickness: 50–100µm
Base Layer Exposure: 30 seconds
Normal Layer Exposure: 2-3 seconds
Lift Speed: 80 mm/s
Lift Height: 10 mm



(Refer to printer settings database)

Post-Processing Steps

1. Pre-wash in ResinAway® & brush to remove excess resin
2. Submerge in ResinAway® in Ultrasonic for 5-10 minutes.
2. Dry the Model – Allow to air-dry or use compressed air.
3. Post-Cure – UV cure for 30-60 minutes.
4. Final Finishing – Rinse with Fresh Water.

7. Health & Safety Information

- Not approved for intraoral use.
- Use in a ventilated area. Avoid skin & eye contact.
- If contact occurs, wash thoroughly with soap and water.
- Refer to SDS (Safety Data Sheet) for complete handling guidelines www.monocure3d.com.au

8. Storage & Handling

- **Storage Temperature:** 10–30°C (Avoid direct sunlight)
- **Shelf Life:** 36 months
- **Handling:** Use recommend red PPE eg. **gloves & safety goggles** when handling liquid resin
- **Disposal:** Follow **local hazardous waste disposal regulations**.

9. Ordering Information

- **Available Sizes:** 1L & 5L UV-safe bottles
- **Where to Buy:** Available through **Monocure3D resellers**
- For technical support or bulk orders, contact:
support@monocure3d.com.au | www.monocure3d.com.au