



Technical Data Sheet
Product Name: BioDent Pro 3D Dental Printing Resin
SKU: DLPYE60-02

BioDent Pro 3D Dental Printing Resin is an innovative dental solution proudly made in the USA. It offers a combination of premium performance, environmental consciousness, and adherence to rigorous ISO-9001 quality standards. BioDent Pro boasts a tin-free, high bio-based content methacrylate backbone that reduces reliance on fossil resources while ensuring a clean, smooth matte finish on all printed models.

Benefits:

- Quality Assurance: Manufactured in compliance with ISO-9001 quality standards
- Precision and Accuracy: Ideal for a broad spectrum of applications
- Superior Mechanical Properties: Offers excellent tensile strength, elastic modulus, and elongation values with minimal shrinkage
- Easy Post-Processing: Simplifies the washing and post-curing process, allowing easy polishing to a high-quality finish – (Utilize Clean High purity Isopropyl alcohol for post processing)
- Low skin irritation once properly post processed and cured.
- Bulk Discounts: Attractive discounts available for high volume orders

Mechanical Properties:

Property	Value	Unit
Tensile Strength	9,000-9,800	psi
Tensile Strength	62-67.5	MPa
Elastic Modulus	360,000	psi
Elastic Modulus	2,482	MPa
Elongation at break	4.6	%
Work	1.64	Joules
Shore Hardness	88	D
Linear Shrinkage	Less than 2	%

**Tested according to ASTM D638 standards by a 3rd party laboratory

Applications:

- Educational Models
- Orthodontic Models
- Implant Models
- Crown and Bridge Models
- Dental Arch Models

NOTICE: Please note that BioDent Pro 3D Dental Printing Resin is not currently tested for or intended for applications that require biocompatibility or involve prolonged skin contact. Always follow proper handling instructions.