

Carbon[®] FP3D[™]

FDA-Cleared for Class II



FP3DTM FDA-CLEARED CLASS II MEDICAL DEVICE FOR FLEXIBLE PARTIAL DENTURES

\$750/L (Liter)

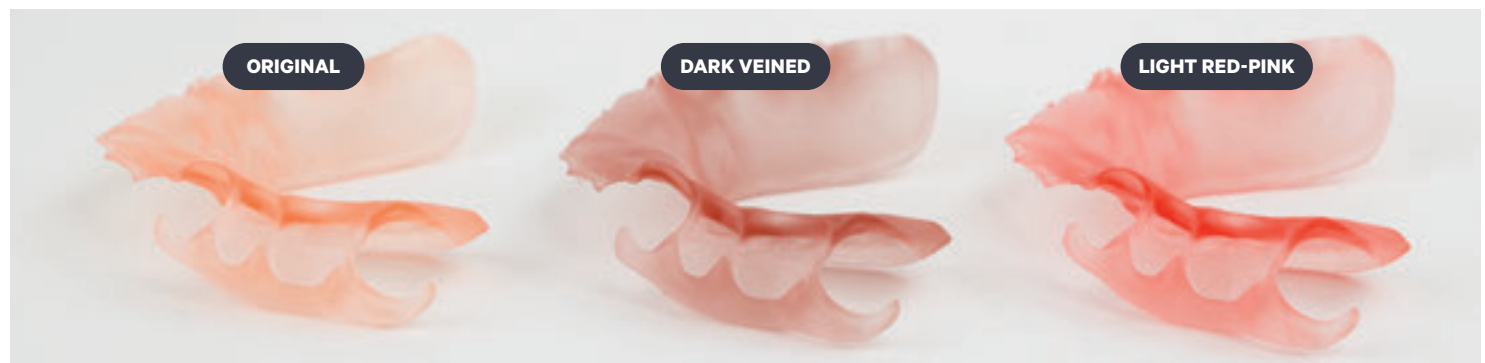
OVERVIEW

FP3DTM offers dental labs a reliable, flexible material for 3D-printed partial dentures. This dual-cure material is designed for efficiency, easy to print, simple to polish, and is naturally translucent for a lifelike appearance. FP3D supports a streamlined workflow, enabling cost advantages compared to traditional fabrication methods.

KEY FEATURES

- Class II medical device
- Durability beyond a 3 year lifetime*
- Excellent chemical retention of teeth
- High translucency for a natural blend when placed intraorally
- Easy integration with existing digital dentures workflow
- Improved polishability compared to thermoplastics
- Reduced economics compared to traditional fabrication methods
- High precision and accuracy for improved intraoral retention and comfort

COLORS



DURABILITY*

	FP3D	DURAFLEX	LEADING SINGLE-CURE 3D PRINTING RESIN	CLASS I 3D PRINTING RESIN
Lifetime	>3 Years	>3 Years	6 months	3 months

PROPERTIES*

TEST STANDARD	PROPERTY	VALUE
ISO 20795-1	Flexural Modulus	800 MPa
ISO 20795-2	Flexural Strength	30 MPa
ISO 20795-3	Total Fracture Work	960 J/m ²
ASTM D638	Elongation at Break	150%
ISO 20795-1	Water Sorption	1.82 ug/mm ³
ISO 20795-1	Water Solubility	0.01 ug/mm ³
ISO 20795-1	Free Monomer Extraction	Pass
ISO 10993	Cytotoxicity	Pass
ISO 10993	Irritation	Pass
ISO 10993	Sensitization	Pass

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*Based on internal testing. Results available upon request.