



FPD

Flexible Partial Denture Resin



ISO Standard	Tested Property	Test Result
ISO 10993-10:2021	Skin Sensitization	Pass
ISO 10993-5:2009	In Vitro Cytotoxicity	Pass
ISO 10993-11:2017	Systemic Toxicity And Subacute Systemic Toxicity	Pass
ISO 10993-23:2021	Oral Mucosa Irritation	Pass
ISO 10993-11:2017	Sub-chronic Systemic Toxicity	Pass
ISO 10993-6:2016	Local Effects After Implantation	Pass
ISO 10993-3:2014	Bacterial Reverse Mutation Assay	Pass
ISO 10993-3:2014	In Vitro Mammalian Chromosome Aberration	Pass

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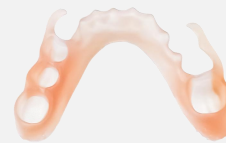
FPD

Flexible Partial Denture (FPD) Resin is a state of the art resin engineered specifically for the 3D Printing of digitally designed flexible partial denture bases. The FPD resin utilizes LuxCreo's Digital Polishing platform to deliver **clear, accurate, and biocompatible** partials in a single session with minimal need for finishing. FPD supports a streamlined workflow, enabling cost advantages compared to traditional fabrication methods. LuxCreo Flexible Partial Denture Resin has passed FDA 510(k) certification.



Benefits:

- **Digital Polishing™:** High translucency for a natural blend when placed intraorally
- **Enhanced Durability:** Improved material longevity and performance
- **High Accuracy:** Improved intraoral retention and comfort



Others Resin



LuxCreo FPD

Property	Procedure	FPD
Flexural Strength	ISO 20795-1	32.40 MPa
Flexural Modulus	ISO 20795-1	838.20 MPa
Tensile Strength	ASTM D638	41.16 MPa
Elongation at Break	ASTM D638	98.50 %
Impact Properties	ISO 180/A	5.62 KJ/m ²
Tg (DMA, tan(δ))	ASTM D4065	131.64 °C

Compatible with iLux Pro Dental, fastprint.io solution