Desktop Health

Flexcera® Smile Ultra+ Dental Resin

For Trusted, Regulatory Approved
3D Printed Prosthetics

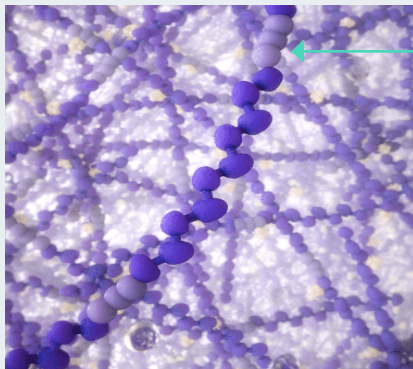Deliver the perfect blend of strength and comfort with best-in-class fit and finish

FDA   MDR   CE
Cleared   Certified   Marked

Proven performance

- 3+ years in development and >200 formulations studied to ensure predictable, reliable, and repeatable results

- Disciplined in regulatory processes, certified in ISO 20795-1, passing a suite of biocompatibility testing for dentistry

- Flexcera Smile Ultra+ is an FDA 510(k) Class II cleared, CE Marked, and MDR Class IIa certified for additive manufacturing of implant supported, monolithic and partial dentures, veneers, inlays, onlays, crowns and bridges

Featuring Ceramic-Like Strength in a Bottle

Synthesized long-chain chemistry
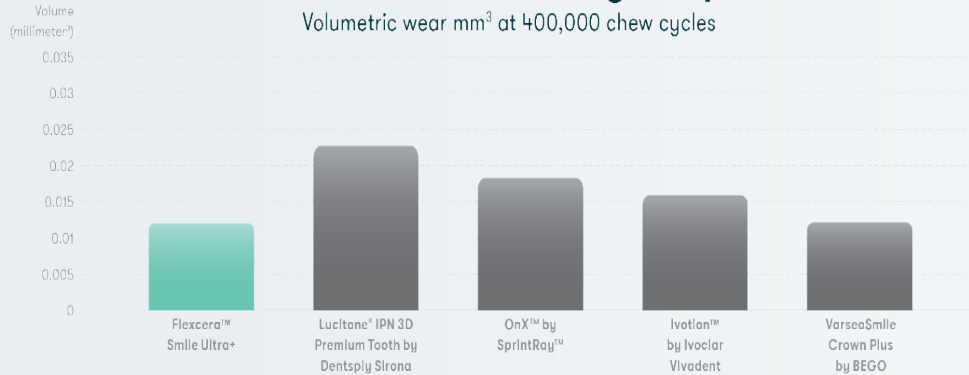Longer equals stronger

Polymerized by a high-powered 385 nm DLP projector
For an efficient cure in print

Results in tightly cross-linked polymers
For ceramic-like strength

Flexcera™ Smile Ultra+
Artificial Teeth for Dentures
Monolithic Full and Partial Dentures
Crowns, Inlays and Onlays
Bridges
Veneers

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A Hybrid Nanoceramic Resin Engineered for Reliable Performance

>30% Less Wear[1] vs. Leading Competition

Volumetric wear mm^3 at 400,000 chew cycles

Bar chart — Volume (millimeter^3), y-axis from 0 to 0.035:
- Flexcera™ Smile Ultra+: ~0.012
- Lucitone® IPN 3D Premium Tooth by Dentsply Sirona: ~0.023
- OnX™ by SprintRay™: ~0.018
- Ivotian™ by Ivoclar Vivadent: ~0.015
- VarseaSmile Crown Plus by BEGO: ~0.012

Committed to Compliance

Passing a suite of testing, including ISO 20795-1, Flexcera Smile Ultra+ approved digital dental workflows deliver accuracy of prints, polymerized mechanical properties, and biocompatibility for patient safety.

Indications for use:

- Dentures: implant supported, monolithic, partial, and teeth

- Restorative: veneers, inlays, onlays, crowns, and bridges

Validated 3D Printers

Desktop Health
- Einstein
- Einstein Pro XL
- EnvisionOne
- D4K

Asiga
- Max UV
- Max 2
- Ultra
- Pro 4K

LuxCreo
- iLux Pro Dental
- fastprint.io

Carbon M series

Technical Specifications	Flexcera Smile Ultra+ Performance
Flexural strength	118 +/- 9.1 MPa
Volumetric wear	0.012mm^3 at 400k cycles
Total fracture work	1301 ±287.5 J/m^2
Sorption	Pass
Biocompatibility	Pass
Sensitization	Pass
Polymerized in 385 nm 3D Printer	Cured in Otoflash 2 x 3000 flashes

Flexcera™ Smile Ultra+

available in 6 colors to match natural teeth

Bleach — A1 — A2 — A3 — A3.5 — B1

Ordering Information

1 kg resin bottle

- A1, order # RES-01-3146
- A2, order # RES-01-3147
- A3, order # RES-01-3148
- A3.5, order # RES-01-3149
- B1, order # RES-01-3150
- Bleach, order # RES-01-3151

Scan to learn more with Flexcera On-Demand Education

1. Independent volumetric wear study (all results on file) from University of Alabama at Birmingham, 2022; Flexcera Smile Ultra+ vs. Lucitone® IPN Premium Tooth by Dentsply Sirona and OnX™ by SprintRay.