

VeriFIT™ Splint Thermo-Adaptive Resin

Salient Features

- Fits the very first time
- Flexible and flavorless for patient comfort
- More than 2x faster print speeds versus competition in similar category
- High impact strength and wear resistance
- Easy to polish and clean



Comparison & Market Feedback

- OneFIT - Done
- Exceeds the touch points on the first try vs competition
- Game changer in strength and comfort
- Beta testers validated superior print quality and overall patient satisfaction

"I absolutely love the VeriFIT Splint resin. Our workflow for night guards is so much easier now. We have an in-house lab at our dental office, and it's saving us a tremendous amount of time both in the lab and in the chair. Chair time is incredibly valuable, and being able to deliver night guards with virtually no adjustments is a game-changer."
- Margarita Tellez, Clinical Director/Clinical Technologist, Delta Walk-in, Tampa, FL

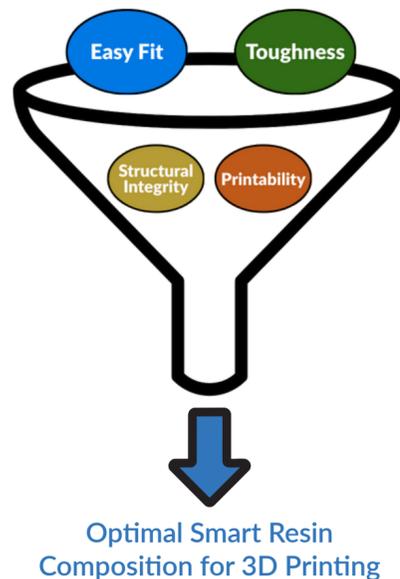
"I've been fabricating splints for over 40 years, and I can confidently say that nothing has come close to the precision and predictability I get with Whip Mix's new VeriFIT material. From the first case I tested, the thermo-adaptive resin completely changed the way I approach digital splint design."
- Dr. David Maddy, Louisville, KY

"As a prosthodontist, I've worked with many different 3D printed resins for night guards, and the VeriFIT Splint has quickly become my preferred option because it combines efficiency, adaptability, and comfort in a way I haven't seen before. What makes it truly stand out are the thermal properties. This creates an accurate fit with very little chairside modification, which is a benefit for both the clinician and the patient."
- Dr. Bryan Harris, Louisville, KY



Design & Development

- Smart polymer compositions were clinically formulated for:
 - Thermo-adaptability & ease of fitting process
 - User friendly and improved print speed
 - Durability
 - Comfort
- Evaluated and optimized for the following:
 - Rheological properties for easy 3D printability
 - Structural integrity and strength
 - Water absorption



Data Analysis & Results

- 510K approved
- Robust formulation
- Improved flexural modulus
- Excellent impact strength
- Improved flexural stress
- Outstanding fracture resistance
- Reduced water absorption
- Compatible with wide range of printers and curing devices

VeriFIT™ Splint Thermo-Adaptive Resin				
Physical Properties	Standard/Method	Passing Criteria	Competitor Results	VeriFIT Results
Flexural Modulus, MPa	ASTM D790	750-1500	1100 - 1400	1275 - 1625
Flexural Strength, MPa	ASTM D790	> 30	44 - 47	44 - 61
IZOD Impact (Notched), J/m	ASTM D256	> 35	45 - 48	57 - 62
Flexural Modulus, MPa	ISO 20795-2	> 100	135 - 200	300 ±100
Total Fracture Work, J/m²	ISO 20795-2		11158	15062

