



Soft Splint UV

- ✓ High precision
- ✓ Thermo-reactive
- ✓ Easy to wear/take off
- ✓ Biocompatible
- ✓ Anti-corrosion
- ✓ High stability

Color Semi-clear ○

Specification 1000g Bottle

Certifications FDA

Machine Compatibility



A2D



A2D 4K



DS



Soft Splint UV is a biocompatible material developed to produce flexible bite plates and night guards. Its unique formulation makes the material thermo-reactive and softens under a temperature of 45°C (113°F), making it easier to put on or take off. The material has passed the biocompatibility test and can be worn safely in the mouth for an extended period.

Properties	Units	Standard	Result
Flexural Strength	MPa	ASTM D790	47
Flexural Modulus	MPa	ASTM D790	1356
Elongation at Break	%	ASTM D638	66
Hardness	Shore D	ASTM D2240	82
Impact Strength (Notched)	J/m	ASTM D256	45–48



Applications

Properties	Units	Result
Flexural Strength	MPa	4.3
Flexural Modulus	MPa	200
Water Sorption	µg/mm ³	<18
Solubility	µg/mm ³	<4.5

Based on results of ISO 20795–2 tests

Cytotoxicity (ISO 10993–5)	Pass
Irritation (ISO 10993–10)	Pass
Sensitization (ISO 10993–10)	Pass

Based on results of ISO 10993 tests