SH01

NEW

Splint Hard Resin

Splint Hard is an ideal choice for printing hard occlusal splints with features including optimum elongation and high flexural strength with low water absorption. This material has features in TPO-free, tasteless and MMA&THF-MA free, which is even safer for sensitive users. SH01 has undergoes real-aging performance in oral devices, combined with high degree of shrinkage control and industry leading accuracy, resulted in longevity in using. With the use of HyperClear system offering excellent transparency for occlusal splint application. Printed splints would need minimal polish in support adding area. SH01 is recommended to place at room temperature 23±2 in the retainer storage box.

- → TPO-free
- → MMA & THF-MA free
- → Minimal polish using HyperClear system
- → Transparent, high flexural strength, optimum elongation

Physical Properties - Liquid Status

Color	Transparent
Viscosity	1050
Wavelength	405nm

Mechanical Properties - Post Cured Parts

Property	Value	**Test Method**
Ultimate flexural strength	> 50	ISO 20795-2
Flexural Modulus | Mpa	> 1500	ISO 20795-3
Elongation at Break	> 20%	ISO 527
Fracture Work | J/m2	> 6000	ISO 20795-1
Maximum Stress Intensity|Mpa m1/2	> 3.9	
Maximum Stress Intensity after three months of accelerated aging tests	> 3.9	ASTM F1980-2021, ISO 527

Post Processing	**Value**
Cleaning time with 95% ethanol	Manual cleaning 20 secs
Recommended curing time	Fabcure 1/1S: 10min Fabcure 2: 5min