SG01

Surgical Guide, Ortho Guide

Surgical Guide SG01 is a clear and biocompatible resin intended for printing dental surgical guides. It is certified by FDA as Class I medical instrument and meets ISO 10993 standards, making it ideal for customized, non-implantable use with body contact limited to 24 hours. SG01 is a rigid polymer with minimal flex, which allows it to maintain its form during dental surgeries.

→ Biocompatible, transparent

Physical Properties - Liquid Status

Color	Transparent
Viscosity @25℃ | cps	527
Wavelength	405nm

Mechanical Properties - Post Cured Parts

Property	Value	**Test Method**
Hardness | Shore D	84	ISO 868
Tensile Modulus | MPa	1873	ISO 527
Tensile Strength | MPa	43	ISO 527
Elongation at break | %	12.2	ISO 527
Flexural Modulus | MPa	2047	ISO 178
Flexural Strength | MPa	81	ISO 178

Post Processing	**Value**
Cleaning time with 95% ethanol	Basic Ultrasonic: 60s + Fine Ultrasonic: 10s
Recommended curing time	Fabcure 1: 5 mins, Fabcure 2: 5 mins