

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°C 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 mins	6
Recommended curing time mins	5 mins per side