

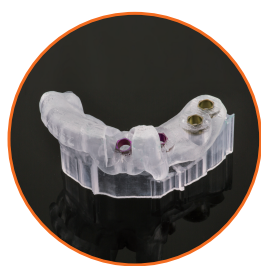
S-Plastic

www.itgraphy.com

SG-100

SG-100 is a biocompatible material, developed for the 3D printing of surgical guides for implant surgery. Because of the high precision of this material, it is easy to insert drill sleeve directly after printing.

- Nontoxic, hypoallergenic material in implant surgery.
- No odor.
- Not affect the dimensional stability after autoclave.
- Available in color, Transparent clear.



1. PROPERTIES OF 3D PRINTING RESIN

Properties	Unit	SG-100	Remark
Color	-	Yellowish	-
Density	g/cm ³ @ 25 °C	1.110 ± 0.02	-
Viscosity	cps @ 25 °C	500 ± 30	Brookfield
Solid content	% @ 80 °C * 1h	≥ 98	-

2. PROPERTIES OF 3D PRINTING PRODUCT

Properties	Unit	SG-100	Remark
Color	-	Clear	-
Shore hardness (D)	-	≥ 90	-
Flexural Strength	Mpa	≥ 110	ASTM D790
Flexural Modulus	Mpa	≥ 2,500	ASTM D790
Tensile Strength	Mpa	≥ 60	ASTM D638
Tensile Modulus	Mpa	≥ 2,500	ASTM D638
Elongation	%	≤ 10	ASTM D638
Impact Strength	J/m ²	≥ 3,000	ASTM D256(Notched)

Graphy
We like creating specialized materials.
"Smart Materials"

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