

zSG Clear

Technical Data Sheet

Product Discription:

zSG Clear is a light-curing resin for the fabrication of implant surgical guides using 3D LCD printers utilizing wavelengths between 385nm–405nm. zSG Clear is a fast-printing resin with excellent properties, including high strength, high precision, easy-cleaning and well sterilization compatibility.

Characteristics:

Tested Property	Result	Standard/Method
Tensile Property		
Tensile Strength, MPa	24.80	ASTM D638
Tensile Modulus, MPa	1143.04	ASTM D638
Elongation, %	13.21	ASTM D638
Flexural Property		
Flexural Modulus, MPa	47.83	ISO 178
Flexural Strength, MPa	1242.33	ISO 178
Impact Property		
IZOD Impact (Unnotched) , J/ m	146.1	ASTM D256

Physical Characteristics		
Shore D Hardness	82D	ASTM D2240
Heat Deflection Temp.(1.82 MPa)	34.9°C	ASTM D 648-16
Heat Deflection Temp.(0.45 MPa)	51.6°C	ASTM D 648-16
Viscosity (at 25°C)	300 -800 mPa·s	

1. The testing samples are printed by NBEE with default parameters of 100 µm layer thickness,

and post-cured by UCure with default parameters of the zSG Clear resin.

2. Mechanical properties will vary based on printer, model orientation onto build platform, printing parameters used, cleaning and post-curing of the printed parts, and so on. Learn more at www.UNIZ.com.

3. UNIZ guarantee that the information and data stated herein are based upon tests in our lab and are considered to be reliable and accurate. This information and data are used for reference only, no warranty as a legal basis. User should be tested by themselves firstly.