zDental Tray

Technical Data Sheet

Product Discription:

zDental Tray is a light-curing resin for the fabrication of impression trays using 3D LCD printers utilizing wavelengths between 385nm–405nm. zDental Tray is used to print impression trays for implants, dentures, crowns and bridges, and other comprehensive cases. zDental Tray is a fast-printing resin with properties of excellent precise, high-reliability and easy-cleaning, providing consistent, accurate impressions for high-quality dentistry.

Characteristics:

Tested Property	Result	Standard/Method
Tensile Property		
Tensile Strength, MPa	41.68	ASTM D638
Tensile Modulus, MPa	1316.15	ASTM D638
Elongation, **%**	20.45	ASTM D638
Flexural Property		
Flexural Modulus, MPa	55.42	ISO 178
Flexural Strength, MPa	1082.35	ISO 178
Impact Property		
IZOD Impact (Unnotched) , J/ m	185.92	ASTM D256

Physical Characteristics		
Shore D Hardness	83.5 D	ASTM D2240
Heat Deflection Temp.(1.82 MPa)	43.1℃	ASTM D 648-16
Heat Deflection Temp.(0.45 MPa)	62.6℃	ASTM D 648-16
Viscosity (at 25℃)	300 -500 mPa·s	

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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 zDental Tray 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 themself firstly.