

zDental Model U Stone

Technical Data Sheet

Product Description:

zDental Model U Stone is a light-curing resin for producing dental models using 3D LCD printers utilizing wavelengths between 385nm–405nm. This resin is intended to print diagnostic models and orthodontic models. This resin has profits of superior precision, excellent long-term dimensional stability of +/- 50um tolerance, high reliability, superior fit and easy-cleaning. zDental Model U Stone has excellent anti-sedimentation activity which makes handling easily.

Characteristics:

Tested Property	Result	Standard/Method
Tensile Property		
Tensile Strength, MPa	57.03	ASTM D638
Tensile Modulus, MPa	1493.24	ASTM D638
Elongation, %	9.62	ASTM D638
Flexural Property		
Flexural Strength, MPa	84.38	ISO 178
Flexural Modulus, MPa	2237.96	ISO 178
Impact Property		
IZOD Impact (Notched), J/ m	20.30	ASTM D256

Physical Characteristics		
Shore D Hardness	87 D	ASTM D2240
Heat Deflection Temp. (0.45 MPa)	73.7°C	ASTM D 648-16
Viscosity (at 25°C)	732-734 mPa·s	

1. The testing samples are printed by NBEE with default parameters of 50 μm layer thickness, and post-cured by U Cure both sides with curing parameters of Level 3 for 2 mins
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 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.