



Dental Model-M3.0

Technical Data Sheet

Indications & Product Description:

Huge Dental Model M3.0 is a light-curing resin specifically designed for professional dental applications. It is used for fabricating restorative and implant models, serving as a replacement for traditional dental model materials.

Compatible with LCD and DLP printers operating at 385 nm or 405 nm.

CHARACTERISTICS	
Color	Almond
Net Weight	1kg/Bottle
Viscosity	200–400 mPas @ 25°C

Test Item	Standard	Value
Liquid Density	ASTM D792	1.1–1.2 g/mL
Solid Density		1.2–1.3 g/cm ³
Tensile Strength	ASTM D638	≥ 60 MPa
Elastic Modulus		1800–2000 MPa
Elongation at Break		5–10 %
Flexural Strength	ASTM D790	≥ 110 MPa
Flexural Modulus		2700–2800 MPa
Shore Hardness	ASTM D2240	≥ 80 HD
Notched Impact Strength	ASTM D256	20–30 J/m

Note:

All parameters are based on tests of 3D-printed specimens produced on a Rayshape E2 printer. Post-curing was performed using a PioNext curing chamber at 365 nm, 385 nm, and 405 nm wavelengths, with 100% power for 15 minutes.