

Try-In

Technical Data Sheet

Indications & Product Description:

Huge Try-In is a light-curing resin for 3D printing of full and partial removable denture try-ins. It allows verification of fit, occlusion, esthetics, and phonetics prior to fabricating the final denture.

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

CHARACTERISTICS	
Color	A2
Net Weight	1kg/Bottle
Viscosity	1050-1250 mPas @ 25°C

Test Item	Standard	Value
Liquid Density	ASTM D792	1.12-1.14 g/mL
Solid Density		1.23-1.25 g/cm ³
Tensile Strength	ASTM D638	≥ 50 MPa
Tensile Modulus		1400-1600 MPa
Elongation at Break		8-9 %
Flexural Strength	ASTM D790	≥ 80 MPa
Flexural Modulus		2000-2200 MPa
Shore Hardness	ASTM D2240	≥ 75 HD
Notched Impact Strength	ASTM D256	≥ 50 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.

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.

Dental Model-M3.0 Pro

Technical Data Sheet

Indications & Product Description:

Huge Dental Model M3.0 Pro is a light-curing resin specifically designed for professional dental applications, delivering exceptional precision for fabricating restorative and implant models. Its reinforced strength further minimizes breakage during trimming, fitting, or frequent handling.

CHARACTERISTICS	
Color	Grey
Net Weight	1kg/Bottle
Viscosity	1050-1250 mPas @ 25°C

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

Test Item	Standard	Value
Liquid Density	ASTM D792	1.12-1.14 g/mL
Solid Density		1.23-1.25 g/cm ³
Tensile Strength	ASTM D638	≥ 50 MPa
Elastic Modulus		1400-1600 MPa
Elongation at Break		8-9 %
Flexural Strength	ASTM D790	≥ 85 MPa
Flexural Modulus		2000-2200 MPa
Shore Hardness	ASTM D2240	≥ 75 HD
Notched Impact Strength	ASTM D256	≥ 45 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.