Denture Base Resin

The special resin material for dentistry is applicable to 3D printing of denture base. This material features high toughness and ultra-high surface hardness. This material is very scratch-resistant. It is not easy to break even if dropped on the ground. At 25-40℃, it can be cleaned thoroughly by ultrasonic cleaning with alcohol or isopropanol for 5 minutes. It is recommended to print under conditions 25-35° C.



MATERIAL STATUS

Characteristics	Good hardness high toughness
Applications	Denture bases
Appearance	Pink
Form	Resin
Processing method	(surface exposure molding)LCD (surface exposure molding)DLP

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PHYSICAL PROPERTIES	Testing method	Typical value
Density	ASTM D792	1.05-1.15 g/cm³
Viscosity	ASTM D445	2000±400 mPa•s
Hardness	ASTM D2240	80-86 ShoreD
MECHANICAL PROPERTIES		
Tensile Strength	ASTM D638	70-110 MPa
Elongation at Break	ASTM D638	2-10 %
Flexural Strength	ASTM D790	90-130 MPa
Flexural Modulus	ASTM D790	1900 MPa

*The above parameters are for reference only. The performance of cured materials will be affected by factors such as equipment, environment, parameter settings, post-processing methods, and testing methods, which will cause great differences. Please contact us if necessary

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