Fixed hybrid denture base Resin

The special resin material for dentistry is applicable to 3D printing of Fixed hybrid denture base. This material features high toughness and ultra-high surface hardness. At 30-40℃, it can be cleaned thoroughly by ultrasonic cleaning with alcohol or isopropanol for 6 minutes. It is recommended to print under conditions 35-45° C.



MATERIAL STATUS

Characteristics	Good hardness high toughness
Applications	Fixed hybrid denture base
Appearance	A1,A2,A3,B1,OM2
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	1.24	g/cm^3
Viscosity	ASTM D445	9000±2000	mPa•s
Hardness	ASTM D2240	87-91	ShoreD
MECHANICAL PROPERTIES			
Tensile Strength	ASTM D638	75-120	MPa
Elongation at Break	ASTM D638	2-10	%
Flexural Strength	ASTM D790	90-130	MPa
Flexural Modulus	ASTM D790	2500	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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