55% Permanent Crown Resin

The special resin material for dentistry is applicable to 3D printing of permanent crowns. This material features high toughness and ultra-high surface hardness. You can use a toothbrush dipped in some alcohol or isopropyl alcohol to scrub it. It is recommended to print under conditions 35-45° C.



MATERIAL STATUS

Characteristics	Good hardness high toughness
Applications	Permanent crowns
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	1.4-1.7 g/cm³
Viscosity	ASTM D445	11000±3000 mPa•s
Hardness	ASTM D2240	90-95 ShoreD
MECHANICAL PROPERTIES		
Tensile Strength	ASTM D638	90-140 MPa
Elongation at Break	ASTM D638	2-8 %
Flexural Strength	ASTM D790	100-140 MPa
Flexural Modulus	ASTM D790	4000-5000 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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