RF-OX-17 Fixed Hybrid Dentures RESIN

RF-OX-17 Fixed Hybrid Dentures based on biological adaptation and functional restoration as corefunctions, take natural aesthetics as the extension. Through the integration of materialinnovation and digital technology, it provides a full mouth restoration solution thatcombines with stability and comfort. It focus on reducing the complexity of clinicaloperations and exploring the reliability of prosthetics in service, supporting patientsfrom "fixing what is missing" to "rebuilding confidence in life"

MATERIAL STATUS	
Applications	Dental model
Appearance	A1
Form	Resin
Processing method	(surface exposure molding)LCD (surface exposure molding)DLP
Characteristics	High strength、Good hardness High precision、High-temperature resistant

PHYSICAL PROPERTIES	Testing method	Typical value
Density	ASTM D792	1.60-1.70 g/cm³
Viscosity	ASTM D445	4500 mPa•s
Hardness	ASTM D2240	94 ShoreD
MECHANICAL PROPERTIES.		
Tensile Strength	ASTM D638	130 MPa
Elongation at Break	ASTM D638	5 %
Flexural Strength	ASTM D790	140-150 MPa
Flexural Modulus	ASTM D790	3200 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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PRINT PARAMETERS

Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm •min^{-1}	Retract Speed /mm •min^{-1}
Phrozen sonic mini8K S	10	50	3	4+4	60+120	180+60
Creality Halot-MAGE Pro	3.6	20	3	8+2	60+180	180+60
Elegoo saturn 4 Ultra	6.4	40	3	Default standard parameters of the device		
Anycubic Mono 4 Ultra	8.4	50	3	4+4	90+120	240+90
Elegoo saturn 3 Ultra	8	50	3	4+4	60+180	180+90
Anycubic M7 Pro	5.8	35	3	4+4	60+120	180+60

*Post-Processing Procedure and Note

1.The model can be cleaned using isopropyl alcohol in the ultrasonic cleaning machine, and try not to use high-frequency shock or force brushing the model to avoid damage to the surface details of the model.

2.Thoroughly blow the model dry with a hair dryer or the like;

3. It is recommended to remove the support for model with supports first, and then post-cure treatment. If you remove the supports after it's been post-cured , it will easily cause damage to the contact surface of the support point;

4. For some occasions where certain toughness is required, you can choose to cure with UV lamp for 5 minutes. The printed parts should be kept in a cool dry place.

*Safety Precautions

1.Eye Contact: Immediately flush with plenty of clean water (under eye lids) for at least 20 minutes. Hold eyelids apart to ensure flushing. Washing within one minute of contact is essential to achieve maximum effectiveness. Seek medical attention immediately.

2.Skin Contact:Remove contaminated clothing and rinse contact area thoroughly with soap and water.

3.3D resin is not approved for use with food, drink, or medical application on the human body

4.For additional information please see the Material Safety Data Sheet.

*Safety Precautions

Please store in a cool place below 25 degrees Celsius, away from direct sunlight. Ordinary visible light may cause the resin to polymerize and gel.

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