RF-ZJ-01 Resin

It is a model resin with low odor and low viscosity, which can be quickly printed and formed. Due to its low viscosity, it is very easy to clean. It can showcase excellent details. Moreover, it is not overly brittle but has a certain degree of toughness.



MATERIAL STATUS	
Applications	Dental model
Appearance	Gray
Form	Resin
Processing method	(surface exposure molding)LCD (surface exposure molding)DLP
Characteristics	Low odor Easy to clean

PHYSICAL PROPERTIES	Testing method	Typical value
Density	ASTM D792	1.05-1.15 g/cm^3
Viscosity	ASTM D445	350 mPa•s
Hardness	ASTM D2240	83-86 ShoreD
MECHANICAL PROPERTIES.		
Tensile Strength	ASTM D638	51 MPa
Elongation at Break	ASTM D638	12 %
Flexural Strength	ASTM D790	56 MPa
Flexural Modulus	ASTM D790	1430 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	3	40	3	4+3	60+120	180+60
Creality Halot-MAGE Pro	1	15	3	6+2	120+180	240+180
Elegoo saturn 4 Ultra	1.8	25	3	Default standard parameters of the device		
Anycubic Mono 4 Ultra	2.4	30	3	4+4	120+180	180+120
Elegoo saturn 3 Ultra	2.3	30	3	4+4	120+180	180+120
Anycubic M7 Pro	1.6	25	3	4+4	120+180	180+120
PioNext D158	1.5	20	3	8	3mm/s	4mm/s

*Post-Processing Procedure and Note

1.The model can be cleaned in an ultrasonic cleaner or a rotary cleaner with alcohol or isopropyl alcohol. Try not to use high-frequency oscillation or vigorous scrubbing to avoid damaging 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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