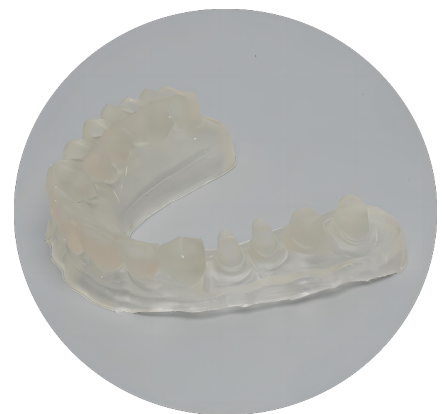


OM100 Ortho Model Resin

OM100 is a dental resin with plant-based ingredients suitable for 3D printing high-temperature resistant dental models. The surface of the printed models is smooth and the model texture is excellent. Its high detail display and high edge stability can meet the requirements of dental model production.



MATERIAL STATUS

| | | |
|-------------------|--|------------------------|
| Characteristics | High precision Low odor High-temperature Resistance | FDA-compliant material |
| Applications | Dental model | |
| Appearance | Multiple Colors | |
| Form | Resin | |
| Processing method | (surface exposure molding)LCD (surface exposure molding)DLP | |



| PHYSICAL PROPERTIES | Testing method | Typical value |
|----------------------------|----------------|-----------------------------|
| Density | ASTM D792 | 1.05-1.25 g/cm ³ |
| Viscosity | ASTM D445 | 200-400 mPa·s |
| Hardness | ASTM D2240 | 80-88 ShoreD |
| MECHANICAL PROPERTIES | | |
| Tensile Strength | ASTM D638 | 18.1 MPa |
| Elongation at Break | ASTM D638 | 8.44 % |
| Flexural Strength | ASTM D790 | 21.72 MPa |
| Izod Notch Impact Strength | ASTM D256 | 74.3 J/m |

*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

PRINT PARAMETERS

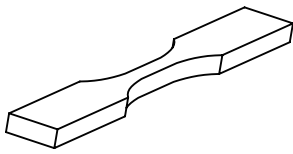
| Representative Machine | Exposure Time/s | Bottom Exposure Time/s | Bottom Layer Count | Lift Distance/mm | Lift Speed /mm · min ⁻¹ | Retract Speed /mm · min ⁻¹ |
|-------------------------|-----------------|------------------------|--------------------|------------------|------------------------------------|---------------------------------------|
| ELEGOO Saturn | 3 | 30 | 5 | 7 | 70 | 210 |
| ELEGOO Mars 2 Pro | 3 | 30 | 5 | 5 | 80 | 210 |
| ANYCUBIC Photon Mono X | 2.5 | 25 | 6 | 8 | 180 | 240 |
| ANYCUBIC Photon Mono 4K | 3 | 30 | 6 | 6 | 240 | 360 |
| ANYCUBIC Photon Mono SE | 2.8 | 30 | 6 | 6 | 240 | 240 |
| VOXELAB Proxima 6.0 | 3 | 35 | 6 | 5 | 60 | 150 |
| VOXELAB Proxima 8.9 | 3 | 35 | 5 | 8 | 60 | 150 |
| PHROZEN Sonic Mighty 4K | 3 | 35 | 6 | 8 | 60 | 150 |
| NOVA3D whale2 | 3 | 33 | 5 | 4 | 120 | 120 |
| CREALITY HALOT ONE | 3 | 33 | 10 | 6 | 60 | 60 |
| CREALITY LD006 | 2.5 | 25 | 5 | 7 | 70 | 150 |
| AnyCubic Ultra | 3 | 33 | 4 | 5 | 120 | 120 |
| PHROZEN Sonic Mighty 8K | 2.5 | 30 | 5 | 8 | 60 | 150 |



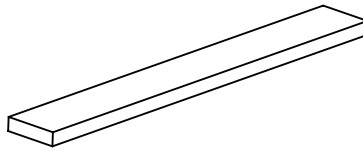
MATTERS NEEDING ATTENTION

1. Shake well before use, wear gloves and mask when using.
2. It is recommended to seal and store at an ambient temperature of 20-35°C to avoid direct sunlight.
3. This product can not be consumed, pay attention to keep away from children and pregnant women.
4. The printed model needs to be cleaned with 95% alcohol (except for the water-washable resin) to make the surface of the model non-sticky.

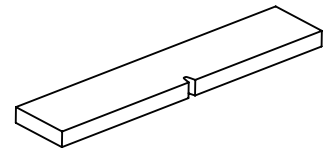
MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

NOTICE

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