

# W300 16K Water-Washable Resin

Technical Data Sheet

W300 Water-washable Resin is a 3D printing material that combines high printing precision with a wide range of application scenarios, making it particularly suitable for users who require water-washable resins. It is especially adept at printing miniature models, capable of accurately presenting details. Additionally, it excels in the dental field, with scanning accuracy reaching up to 96.9% within a deviation range of 0.05mm. This high precision opens up broad prospects for the application of W300 resin in dentistry.



W300 16K Water-Washable Resin

Characteristics

- Matt Texture
- High strength
- Low shrinkage

Applications

- Dental Model
- Daily decoration

Printing Method

SLA DLP

Post-Processing

- (surfaceexposuremolding)LCD
- (surfaceexposuremolding)DLP

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PHYSICAL PROPERTIES	Testing method	Typical value
Density	GB/T4472	1.05-1.20 g/cm <sup>3</sup>
Viscosity	GB/T22235	100-500 mPa • s
Hardness	ASTMD2240	81 ShoreD

MECHANICAL PROPERTIES		
Tensile Strength	ASTMD638	68.6 MPa
Elongation at Break	ASTMD638	8.75 %
Flexural Strength	ASTMD790	89.5 MPa
Izod Notch Impact Strength	ASTMD638	8.76 J/m
Thermal Deformation Temperature@0.45MPa	ASTMD648	74.6 °C

\*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

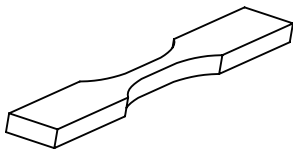
PRINT PARAMETERS						
Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm • min <sup>-1</sup>	Retract Speed /mm • min <sup>-1</sup>
ELEGOO Saturn	4	20	5	7	70	210
ELEGOO Mars 2 Pro	3.5	30	5	5	80	210
ANYCUBIC Photon Mono X	4	25	6	8	180	240
ANYCUBIC Photon Mono 4K	4	20	6	6	240	360
ANYCUBIC Photon Mono SE	4	20	6	6	240	240
VOXELAB Proxima 6.0	4	20	6	5	60	150
VOXELAB Proxima 8.9	4	22	5	8	60	150
PHROZEN Sonic Mighty 4K	4	15	6	8	60	150
NOVA3D whale2	4	15	5	4	120	120
CREALITY HALOT ONE	4	20	10	6	60	60
CREALITY LD006	2	20	5	7	70	150
AnyCubic Ultra	4	20	4	5	120	120
PHROZEN Sonic Mighty 8K	4	20	5	8	60	150



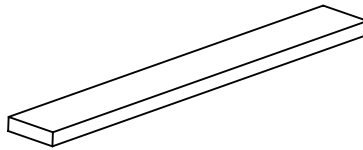
#### MATTERS NEEDING ATTENTION

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.

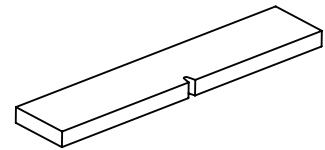
#### MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

#### NOTICE

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