

## GM100 Gingiva Mask Resin

GM100 is a resilient gingival resin for 3D printing of gingival models. The resin has excellent dimensional stability, elasticity and tear resistance. The gingival model retains its elasticity over a period of time and is odourless after the printing process, meeting the requirements of printing soft tissue for implant models.



### MATERIAL STATUS

Characteristics	Elastic and tear-resistant	Odorless
	Limited shrinkage	FDA-compliant material
	Aging resistance	
Applications	Dental model	
Appearance	Pink	
	Red	
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 <sup>3</sup>
Viscosity	ASTM D445	350-550	mPa•s
Hardness	ASTM D2240	50-60	ShoreA
MECHANICAL PROPERTIES			
Tensile Strength	ASTM D638	1.33	MPa
Elongation at Break	ASTM D638	110.3	%
Flexural Strength	ASTM D790	/	MPa
Izod Notch Impact Strength	ASTM D256	/	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

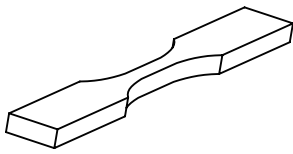
Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm • min <sup>-1</sup>	Retract Speed /mm • min <sup>-1</sup>
ELEGOO Saturn	7	30	5	7	70	210
ELEGOO Mars 2 Pro	7	30	5	5	80	210
ANYCUBIC Photon Mono X	5	25	6	8	180	240
ANYCUBIC Photon Mono 4K	7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



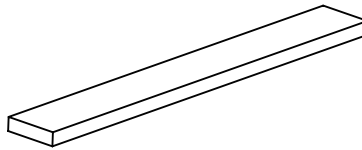
#### MATTERS NEEDING ATTENTION

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.

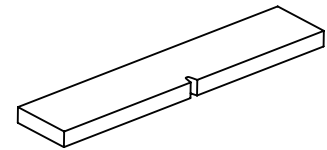
#### MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

#### NOTICE

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