

eResin-PLA Pro

This is a low-odor biocompatible resin synthesized from eSUN self-produced PLA polyol with high molding accuracy and good detail presentation. The printed model has a smooth surface and shallow water ripples, achieving excellent model texture. This resin also has a certain degree of toughness suitable for printing various high-precision garage kit models and dental models.



MATERIAL STATUS

Characteristics	High Precision	CE-compliant material
	Exceptional Surface Quality	Wide compatibility
	Biocompatibility	High toughness
Applications	Education	
	Garage kit	
Appearance	Multiple Colors	
Form	Resin	
Processing method	(surface exposure molding)LCD	
	(surface exposure molding)DLP	



PHYSICAL PROPERTIES	Testing method	Typical value
Density	ASTM D792	1.05-1.20 g/cm ³
Viscosity	ASTM D445	200-400 mPa • s
Hardness	ASTM D2240	78-82 ShoreD
MECHANICAL PROPERTIES		
Tensile Strength	ASTM D638	48-60 MPa
Elongation at Break	ASTM D638	5-15 %
Flexural Strength	ASTM D790	70-80 MPa
Izod Notch Impact Strength	ASTM D256	20-30 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

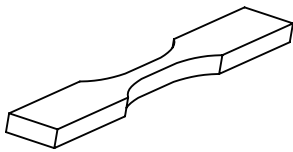
PRINT PARAMETERS						
Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm • min ⁻¹	Retract Speed /mm • min ⁻¹
ELEGOO Saturn	3.5	40	5	7	70	210
ELEGOO Mars 2 Pro	3.5	40	5	5	80	210
ANYCUBIC Photon Mono X	3.2	38	6	8	180	240
ANYCUBIC Photon Mono 4K	4.5	35	6	6	240	360
ANYCUBIC Photon Mono SE	3.5	40	6	6	240	240
VOXELAB Proxima 6.0	3.8	30	6	5	60	150
VOXELAB Proxima 8.9	4	40	5	8	60	150
PHROZEN Sonic Mighty 4K	4.3	40	6	8	60	150
NOVA3D whale2	3.5	40	5	4	120	120
CREALITY HALOT ONE	5.5	40	10	6	60	60
CREALITY LD006	2	30	5	7	70	150
AnyCubic Ultra	4	30	4	5	120	120
PHROZEN Sonic Mighty 8K	4	25	5	8	60	150



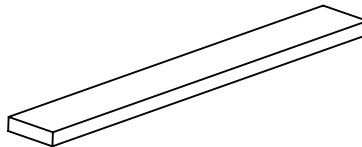
MATTERS NEEDING ATTENTION

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.

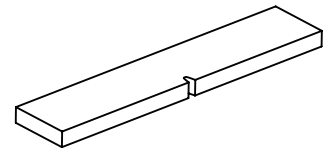
MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

NOTICE

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