

HS100 High Speed Resin

High-Speed Resin combines rapid forming with good physical property, meeting the demands of both figure and dental model printing. High-Speed Resin can provide a more smooth surface under a lower layer height than normal resin. The printed model does not leave any layer lines and bring 3 times printing speed with newest printer .



MATERIAL STATUS

Characteristics	<ul style="list-style-type: none"> • High precision • Low viscosity • High printing speed 	<ul style="list-style-type: none"> • Balance of rigidity and toughness • Smooth Surface
Applications	<ul style="list-style-type: none"> • Anime figure printing • Daily decoration 	
Appearance	<ul style="list-style-type: none"> • Gray 	
Form	<ul style="list-style-type: none"> • Resin 	
Processingmethod	<ul style="list-style-type: none"> • (surfaceexposuremolding)LCD (surfaceexposuremolding)DLP 	



PHYSICAL PROPERTIES	Testing method	Typical value
Density	GB/T4472	1.14 g/cm ³
Viscosity	GB/T22235	183 mPa • s
Hardness	ASTMD2240	83 Shore D
MECHANICAL PROPERTIES		
Tensile Strength	ASTMD638	56.58 MPa
Elongation at Break	ASTMD638	10.3 %
Flexural Strength	ASTMD790	122 MPa
Izod Notch Impact Strength	ASTMD638	10.51 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

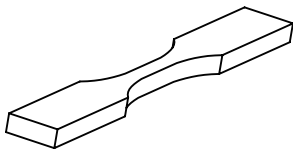
PRINT PARAMETERS						
Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm • min ⁻¹	Retract Speed /mm • min ⁻¹
ELEGOO Saturn	1.5	15	5	7	70	210
ELEGOO Mars 2 Pro	1.5	15	5	5	80	210
ANYCUBIC Photon Mono X	1.8	20	6	8	180	240
ANYCUBIC Photon Mono 4K	1.5	20	6	6	240	360
ANYCUBIC Photon Mono SE	1.5	15	6	6	240	240
VOXELAB Proxima 6.0	1.5	20	6	5	60	150
VOXELAB Proxima 8.9	1.5	15	5	8	60	150
PHROZEN Sonic Mighty 4K	1.5	20	6	8	60	150
NOVA3D whale2	1.5	15	5	4	120	120
CREALITY HALOT ONE	1.5	15	10	6	60	60
CREALITY LD006	1.5	15	5	7	70	150
AnyCubic Ultra	2	15	4	5	120	120
PHROZEN Sonic Mighty 8K	1.5	15	5	8	60	150



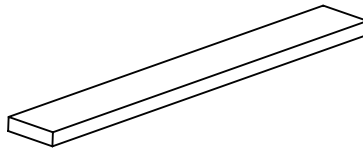
MATTERS NEEDING ATTENTION

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.

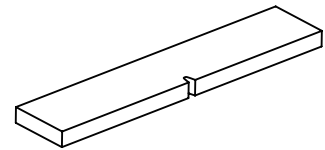
MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

NOTICE

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