

S200 Standard Resin

Technical Data Sheet

S200 is a high-precision, general-purpose resin with macaron colors. The resin is highly rigid, fast to print, easy to print, and can print thin walls and fine supports. The resin has high molding accuracy and the printed object has smooth and delicate surface. The resin has a low odor, which makes people have a better experience when printing. The resin is widely compatible and suitable for most LCD printers that in the 405nm wavelength.



MATERIAL STATUS

Characteristics	• High precision • High rigidity • Fast printing speed	• Low odor • Macaron color series
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	GB/T4472	1.107-1.111 g/cm ³
Viscosity	GB/T22235	182-252 mPa • s
Hardness	ASTMD2240	83-86 shoreD
MECHANICAL PROPERTIES		
Tensile Strength	ASTMD638	36-64 MPa
Elongation at Break	ASTMD638	16-32 %
Flexural Strength	ASTMD790	27-70 MPa
Izod Notch Impact Strength	ASTMD638	25-55 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

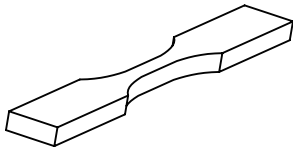
PRINT PARAMETERS						
Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm • min ⁻¹	Retract Speed /mm • min ⁻¹
ELEGOO Saturn	3.5	40	5	7	70	210
ELEGOO Mars 2 Pro	3.5	40	5	5	80	210
ANYCUBIC Photon Mono X	2	25	6	8	180	240
ANYCUBIC Photon Mono 4K	4.2	45	6	6	240	360
ANYCUBIC Photon Mono SE	3.2	36	6	6	240	240
VOXELAB Proxima 6.0	3.8	42	6	5	60	150
VOXELAB Proxima 8.9	3.8	38	5	8	60	150
PHROZEN Sonic Mighty 4K	3.5	40	6	8	60	150
NOVA3D whale2	3.5	40	5	4	120	120
CREALITY HALOT ONE	4.2	45	10	6	60	60
CREALITY LD006	2.8	30	5	7	70	150
AnyCubic Ultra	4	43	4	5	120	120
PHROZEN Sonic Mighty 8K	3	35	5	8	60	150



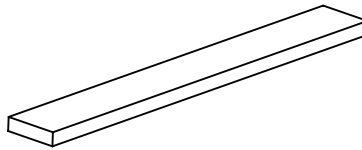
MATTERS NEEDING ATTENTION

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.

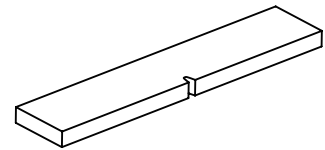
MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

NOTICE

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