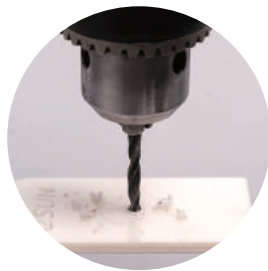


A200 eResin-ABS Pro

Technical Data Sheet

This is an upgraded ABS-like high-strength engineering resin with the properties of ABS material. Its high strength, impact resistance and low shrinkage make it ideal for printing protective plastic housings. Models printed with this resin can be tapped without cracks and meet the functional testing of prototypes. At the same time, it also has the characteristics of high precision, which is suitable for most LCD printers and DLP printers.



MATERIAL STATUS

Characteristics	High-strength Tapping without cracks High precision Low shrinkage
Applications	Engineering Manufacturing Garage kit
Appearance	White
Form	Resin
Processing method	(surface exposure molding)LCD (surface exposure molding)DLP



PHYSICAL PROPERTIES	Testing method	Typical value
Density	GB/T4472	1.09 g/cm ³
Viscosity	GB/T22235	249-303 mPa • s
Hardness	ASTMD2240	84-85 ShoreD

MECHANICAL PROPERTIES	Testing method	Typical value
Tensile Strength	ASTMD638	68-83 MPa
Elongation at Break	ASTMD638	30-36 %
Flexural Strength	ASTMD790	104-128 MPa
Izod Notch Impact Strength	ASTMD638	20-24 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

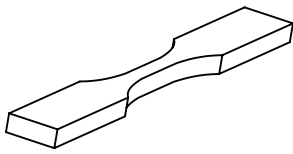
Representative Machine	Exposure Time/s	Bottom Exposure Time/s	Bottom Layer Count	Lift Distance/mm	Lift Speed /mm • min ⁻¹	Retract Speed /mm • min ⁻¹
ELEGOO Saturn	3.5	25	5	7	70	210
ELEGOO Mars 2 Pro	3.5	25	5	5	80	210
ANYCUBIC Photon Mono X	2	18	6	8	180	240
ANYCUBIC Photon Mono 4K	3.5	25	6	6	240	360
ANYCUBIC Photon Mono SE	3	20	6	6	240	240
VOXELAB Proxima 6.0	3.5	25	6	5	60	150
VOXELAB Proxima 8.9	3.4	25	5	8	60	150
PHROZEN Sonic Mighty 4K	3.5	25	6	8	60	150
NOVA3D whale2	3.2	25	5	4	120	120
CREALITY HALOT ONE	3.7	25	10	6	60	60
CREALITY LD006	2.3	18	5	7	70	150
AnyCubic Ultra	4	28	4	5	120	120
PHROZEN Sonic Mighty 8K	3.3	30	5	8	60	150



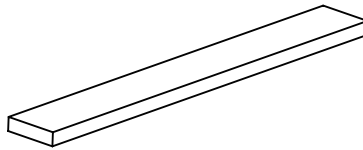
MATTERS NEEDING ATTENTION

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.

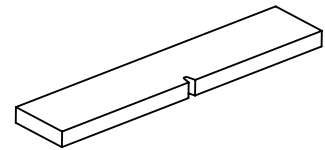
MECHANICAL PROPERTIES



Tensile testing specimen ASTM D638



Flexural testing specimen ASTM D790



IZOD Impact Strength ASTM D638

NOTICE

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