



Landu Standard Resin

Technical Data Sheet V1.0

Standard Resin

• Product Description

Landu standard resin is compatible with most DLP/LCD light-curing 3D printers on the market that use a 405nm wavelength light source. It takes both price and performance into consideration and can meet most 3D printing needs. It has balanced effects in terms of printing success rate, platform adhesion, detail performance, printing accuracy, hardness, toughness, odor, fluidity, and easy cleaning.

• Performance

Subjects	Data
Hardness (D)	80-88
Viscosity (25°C) (mPa.s)	200-400
Liquid density (g/cm.)	1.05-1.25
Volume shrinkage	0.2%-0.7%
Maximum bending strength (MPa)	35±10%
Tensile strength(MPa)	33.781±10%

• Performance characteristics

1. The model has high molding precision, is not easy to shrink, and has high stability. The surface of the model is delicate and smooth, the printed details are clearly visible, and the shrinkage rate is low.
2. The resin ensures the performance and details of the printed model while increasing the printing speed, shortening the curing time, and maximizing the printing efficiency of the 3D printer.
3. The resin has good fluidity and can flow back quickly, fill the surface of the printed model for curing and molding, improve the success rate of model printing, reduce the release force after resin molding, and improve printing accuracy and stability.
4. The cured model has high hardness, high toughness, is not easy to crack, and has impact resistance.
5. The resin has a very light smell and no pungent smell, which can ensure a consistent high-quality printing experience

- **Recommendations**

Bottom exposure: 30-35s Normal exposure: 2.5-3s

- **Packaging and storage**

Packaging: 500ml/bottle, 1000ml/bottle

Storage: Store in a cool and dry place away from light

- **Precautions**

1.Shake well before use

2.Recommended temperature 20°C-25°C

3.Always wear gloves and mask to avoid direct skin contact

4.Keep away from children, dust and direct sunlight

5.If skin comes into direct contact with resin, wash immediately with plenty of water

- **Disclaimer**

The performance values are tested by standard samples at Landu, and the values are for design reference and comparison only. Actual 3D printing model performance is related to many other factors, including printers, printing conditions, printing models, printing parameters, etc.

In the process of using Landu 3D printing standard resin, users are responsible for the legality, safety, and performance indicators of printing. Landu is not responsible for the use of materials and scenarios and is not responsible for any damage that occurs in the process of using our standard resin.