

## TECHNICAL DATA SHEET Inslogic Standard Pro Resin



Inslogic Standard Pro Resin is a versatile, easy-to-print material that offers fine detail, precision, and low shrinkage. Its smooth surface finish simplifies post-processing, making it ideal for efficient, high-quality prints. Good compatibility with most DLP, SLA, and LCD 3D printers in the range of 385-405 nm.

### Key Features

- Low odor
- Easy to use
- Short curing times
- Cost-effective and versatile
- Smooth surface with fine details
- High accuracy & Low shrinkage

### Applications

- General purpose prototyping
- Art & design
- Hobby models
- Educational purposes

## Physical Properties

| Property                 | Method     | Metric                 |
|--------------------------|------------|------------------------|
| Density (liquid resin)   | ASTM D4052 | 1.16 g/cm <sup>3</sup> |
| Solid Density            | ASTM D792  | 1.20 g/cm <sup>3</sup> |
| Viscosity (mPa.s, 25 °C) | ASTM D7867 | 200 - 400              |
| Shore D Hardness         | ASTM D2240 | 84D                    |

## Mechanical Properties

| Property                                | Method  | Metric   |
|-----------------------------------------|---------|----------|
| Tensile Strength                        | ISO 527 | 33 MPa   |
| Elongation at Break                     | ISO 527 | 15%      |
| Flexural Strength                       | ISO 178 | 37 MPa   |
| Flexural Modulus                        | ISO 178 | 1225 MPa |
| Izod Impact, Notched                    | ISO 179 | 40 J/m   |
| Heat Deflection Temperature at 0.45 MPa | ISO 75  | 52 °C    |



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