

## TECHNICAL DATA SHEET Inslogic Clear Resin



Inslogic Clear Resin is ideal for models, mold making, lighting, and any parts requiring translucency. It offers high resolution and accuracy, making it perfect for showcasing internal features. Polish your printed parts with a clear coat once they are post-cured to achieve a near glass-like appearance. Good compatibility with most DLP, SLA, and LCD 3D printers in the range of 385-405 nm.

### Key Features

- Low odor
- Easy to print
- Smooth surface finish
- Non-yellowing over time for high clarity
- High resolution and accuracy
- High precision and low shrinkage

### Applications

- Models
- Lighting
- Moldmaking
- Showcasing internal features
- Parts requiring transparent prototypes
- Decorative pieces

## Physical Properties

Property	Method	Metric
Density (liquid resin)	ASTM D4052	1.19 g/cm <sup>3</sup>
Solid Density	ASTM D792	1.24 g/cm <sup>3</sup>
Viscosity (mPa.s, 25 °C)	ASTM D7867	100 - 300
Shore D Hardness	ASTM D2240	83D

## Mechanical Properties

Property	Method	Metric
Young's Modulus	ISO 527	890 MPa
Tensile Strength	ISO 527	32 MPa
Elongation at Break	ISO 527	22%
Flexural Strength	ISO 178	35 MPa
Flexural Modulus	ISO 178	780 MPa
Izod Impact, Notched	ISO 179	44 J/m
Heat Deflection Temperature at 0.45 MPa	ISO 75	43 °C



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