

TECHNICAL DATA SHEET Inslogic High Detail Resin



Inslogic High Detail Resin ensures ultra-fine precision for prototypes, miniatures, and intricate designs. With minimal shrinkage and excellent dimensional stability, it delivers smooth matte finishes and consistent results. Good compatibility with most DLP, SLA, and LCD 14K resin 3D printers in the range of 385-405 nm.

Key Features

- Low odor
- Low shrinkage
- Ease to print
- Ultra-fine details
- High resolution
- Excellent matte surface finish

Applications

- Ultra-high resolution & detailed prototypes
- Complex, intricate models & sculptures
- Models suitable for painting
- Educational purposes



Physical Properties

Property	Method	Metric
Density (liquid resin)	ASTM D4052	1.19 g/cm ³
Solid Density	ASTM D792	1.20 g/cm ³
Viscosity (mPa.s, 25 °C)	ASTM D7867	300 - 600
Shore D Hardness	ASTM D2240	85D

Mechanical Properties

Property	Method	Metric
Tensile Strength	ISO 527	38 MPa
Elongation at Break	ISO 527	12%
Flexural Strength	ISO 178	40 MPa
Flexural Modulus	ISO 178	1230 MPa
Izod Impact, Notched	ISO 179	35 J/m
Heat Deflection Temperature at 0.45 MPa	ISO 75	53 °C



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