

## TECHNICAL DATA SHEET Inslogic Water-Washable ABS-Like Resin



Inslogic Water-Washable ABS-Like Resin produces high-resolution, durable parts with excellent hardness and toughness. Its low-odor, low-viscosity formula ensures easy post-processing, and parts can be cleaned with water without becoming brittle. Good compatibility with most DLP, SLA, and LCD 3D printers in the range of 385-405 nm.

### Key Features

- Low viscosity
- Low odor
- Water washable, easy to clean
- Strong, tough and impact-resistant
- Dimensional stability, high accuracy

### Applications

- Model making
- Industrial applications
- Functional prototyping
- Architecture

## Physical Properties

| Property                 | Method     | Metric                 |
|--------------------------|------------|------------------------|
| Density (liquid resin)   | ASTM D4052 | 1.18 g/cm <sup>3</sup> |
| Solid Density            | ASTM D792  | 1.24 g/cm <sup>3</sup> |
| Viscosity (mPa.s, 25 °C) | ASTM D7867 | 200 - 500              |
| Shore D Hardness         | ASTM D2240 | 80D                    |

## Mechanical Properties

| Property                                | Method  | Metric  |
|-----------------------------------------|---------|---------|
| Tensile Strength                        | ISO 527 | 39 MPa  |
| Elongation at Break                     | ISO 527 | 22%     |
| Flexural Strength                       | ISO 178 | 40 MPa  |
| Flexural Modulus                        | ISO 178 | 790 MPa |
| Izod Impact, Notched                    | ISO 179 | 52 J/m  |
| Heat Deflection Temperature at 0.45 MPa | ISO 75  | 47 °C   |



3, 13/F, Grand City Plaza  
1-17 Sai Lau Kok Road  
Tsuen Wan, New Territories  
Hong Kong

**Contact**

WhatsApp: (852) 6268 5255

Sales: [sales@inslogic3d.com](mailto:sales@inslogic3d.com)

Support: [support@inslogic3d.com](mailto:support@inslogic3d.com)

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