

## Clear ABS-Like Resin - Technical Data

## White ABS Like Resin - Technical Data

### Advantages:

- Highly accurate and strong toughness
- Highly durable
- Fine surface texture
- Good moisture resistance
- Easy to clean and finish

### Ideal Applications:

- Functional prototypes
- Concept models
- Low volume production models
- Automotive, aerospace, architecture, electronic applications

### Optical & Liquid Properties:

- Appearance: Opaque White
- Viscosity: 355-455 cps @ 28°C
- Density: 1.11-1.14 g/cm<sup>3</sup> @ 25°C
- Building layer thickness: 0.05-0.15 mm
- Penetration depth (Dp): 0.135-0.155 mm
- Critical exposure (Ec): 9-12 mJ/cm<sup>2</sup>

### Mechanical Properties (After UV Post-Curing):

Measurement	Test Method	Value
Hardness, Shore D	ASTM D 2240	76-82
Flexural modulus (MPa)	ASTM D 790	2,690-2,775
Flexural strength (MPa)	ASTM D 790	68-75
Tensile modulus (MPa)	ASTM D 638	2,180-2,395
Tensile strength (MPa)	ASTM D 638	27-31
Elongation at break (%)	ASTM D 638	12-20%

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Impact strength, notched Izod (J/m)	ASTM D 256	58-70
Heat deflection temperature (°C)	ASTM D 648 @66PSI	55-65
Glass transition (T <sub>g</sub> , °C)	DMA, E" peak	55-70
Density (g/cm <sup>3</sup> )	-	1.14-1.16