

Clear ABS-Like Resin - Technical Data

Brown ABS Like Resin - Technical Data

Advantages:

- Highly accurate
- Fine surface texture
- Clear edges and corners
- Good moisture resistance

Ideal Applications:

- Shoe models
- Dental
- Art and design
- Statue
- Animation

Optical & Liquid Properties:

- Appearance: Brown
- Viscosity: 405-505 cps @ 28°C
- Density: 1.11-1.14 g/cm³ @ 25°C
- Building layer thickness: 0.1-0.15 mm
- Penetration depth (Dp): 0.135-0.155 mm
- Critical exposure (Ec): 9-12 mJ/cm²

Mechanical Properties (After UV Post-Curing):

Measurement	Test Method	Value
Hardness, Shore D	ASTM D 2240	74-80
Flexural modulus (MPa)	ASTM D 790	2,650-2,750
Flexural strength (MPa)	ASTM D 790	60-75
Tensile modulus (MPa)	ASTM D 638	2,150-2,370
Tensile strength (MPa)	ASTM D 638	25-30
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	58-68
Glass transition (T _g , °C)	DMA, E'' peak	55-70
Density (g/cm ³)	-	1.14-1.16