

Key Features

- Low shrinkage
- Light odor
- Fast curing
- High dimensional stability
- Moisture resistant

Common Applications

- Functional assemblies
- Housings for electronics

Material Description

ABS-like materials, designed to replicate the characteristics of Acrylonitrile Butadiene Styrene (ABS), offer a compelling combination of strength, flexibility, and versatility. These resins are formulated for 3D printing, particularly in technologies like stereolithography (SLA). ABS-like resin exhibits low shrinkage, which ensures that 3D printed objects do not deform or warp, maintaining high dimensional accuracy and stability. This makes it ideal for producing fine, detailed objects and functional prototypes. Its balanced properties of toughness and smooth surface finish make ABS-like resin suitable for a wide range of applications, including consumer goods, automotive components, and intricate models.

Mechanical Properties

Flexural Strength	69 - 74 MPa
Tensile Strength	38 - 56 MPa
Hardness	Short D75 - 88
Elongation at Break	8 - 12%

Physical Properties

Density	0.04 lb/in ³ (1.16 g/cm ³)
Modulus of Elasticity	3,000 MPa
Heat Deflection Temp.	136.4°F (58 °C)

Technical Assistance

Our knowledgeable staff, supported by our in-house team of expert metallurgists and engineers, is ready to assist you with any technical inquiries.

InstaVoxel™ - On-Demand Manufacturing Expert

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InstaVoxel's quality control system is ISO-9001 certified, and all our partners hold relevant certifications.



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