

Key Features

- High impact strength
- High dimensional stability
- High toughness even down to -20°C
- High mechanical retention up to 140°C
- Good electrical insulation properties
- Not influence by water or temperature
- Good abrasion resistance
- Ability to withstand repeated steam sterilizations

Common Applications

- Compact disc
- Safety helmets
- Bullet-proof glass
- Car headlamp lenses
- Baby feeding bottles
- Roofing
- Glazing

Material Description

PC-Like material is a specialized material designed to replicate the characteristics of Polycarbonate (PC) in 3D printing applications. This resin offers similar properties to traditional PC, including high impact resistance, excellent toughness, and transparency. PC-Like allows for the creation of parts with intricate geometries and fine details and exhibits low shrinkage during printing, ensuring dimensional accuracy and reducing the risk of warping. PC-Like resin is commonly used in industries such as automotive, aerospace, and consumer electronics for producing prototypes, functional parts, and models that require the mechanical properties and appearance of Polycarbonate.

Mechanical Properties

Flexural Strength	86 MPa
Tensile Strength	48 MPa
Hardness	Short D86
Elongation at Break	12%

Physical Properties

Density	0.04 lb/in ³ (1.16 g/cm ³)
Modulus of Elasticity	2.69 GPa
Heat Deflection Temp.	140 – 161.6°F (60 – 72 °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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