

### Key Features

- Good impact resistance and flowability
- Temperature resistant
- High flexural resistance
- Low viscosity

### Common Applications

- Glove boxes
- Overhead and middle consoles
- Knee bolsters
- Blow-molded seatbacks
- TV frames
- Laptop monitor enclosures
- Phone exteriors TV frames
- Laptop monitor enclosures
- Phone exteriors

### Material Description

ABS-like PC is a specialized material formulated for 3D printing, combining the desirable characteristics of Acrylonitrile Butadiene Styrene (ABS) and Polycarbonate (PC). This material offers a compelling balance of strength, impact resistance, and heat resistance, making it suitable for a wide range of applications requiring durability and toughness. ABS-like+PC is engineered to minimize shrinkage during printing, reducing the risk of warping and ensuring high dimensional accuracy in printed objects. Its enhanced thermal stability allows for the creation of functional prototypes, end-use parts, and models that can withstand elevated temperatures and mechanical stress. This material is commonly used in industries such as automotive, aerospace, and consumer electronics for producing parts with intricate geometries and fine details.

### Mechanical Properties

<b>Flexural Strength</b>	69 - 76 MPa
<b>Tensile Strength</b>	41 - 56 MPa
<b>Hardness</b>	Short D78 - 86
<b>Elongation at Break</b>	7 - 11%

### Physical Properties

<b>Density</b>	0.04 lb/in <sup>3</sup> (1.16 g/cm <sup>3</sup> )
<b>Modulus of Elasticity</b>	2.60 GPa
<b>Heat Deflection Temp.</b>	136.4 - 156.2°F (58 - 69 °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

859 Willard Street Suite 400, Quincy MA 02169 USA  
+1 (617) 302-1629 | [info@instavoxel.com](mailto:info@instavoxel.com)  
[www.instavoxel.com](http://www.instavoxel.com)



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