

FDM MATERIAL PRODUCTION - GRADE

Fused Deposition Modeling (FDM) – PC (Polycarbonate) / 3D Printing – Additive Manufacturing

PC - Polycarbonate - 3d manufacturing material is ideal for conceptual modeling, fit and functional prototypes plus end-use –parts. Flame Classification is UL 94 - HB.

Technology:	FDM
Material type:	Thermoplastics
Elongation at Break % (ASTM D638):	4.8%
Flexural Strength (ASTM D790):	13,000 psi
Flexural Modulus (ASTM D790):	291,000 psi
Glass Transition Temperature (DMA):	322°F
Heat Deflection (HDT) @ 66 psi, (ASTM D648):	280°F
Heat Deflection (HDT) @ 264 psi, (ASTM D648):	261°F
Impact Strength Notched (ASTM D256):	1.4 ft-lb/in
Impact Strength Un-notched (ASTM D256):	16.4 ft-lb/in
Available Colors:	High-Gloss White (Standard).
Net Build Size Parts Up To:	36 x 24 x 36 in.
Layer thickness:	0.007 in.
Accuracy for 400mc / 900mc:	±0.005 / ±0.0035 in.
Applications:	Form or fit testing, Functional testing, Automotive, Medical device, Less detailed, Industrial, Electronics, Electrical, General Purpose Applications.

Disclaimer: The data above is general information and may vary from machine to machine or supplier to supplier. All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. Actual capabilities are dependent upon manufacturing, equipment, materials, and part requirements.