



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.

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|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.