

# Polycarbonate (PC)

**TECHNOLOGY: FDM**

**APPLICATIONS:** Conceptual modeling, functional prototypes, manufacturing tools, and end-use parts.

**DESCRIPTION:** FDM Technology uses the same tried and tested thermoplastics found in traditional manufacturing processes. PC offers accuracy, durability and stability, producing strong parts that can withstand functional testing.

**FEATURES:** Accurate. Durable. Stable.

Color Options: White

## TECHNICAL DATA

| PROPERTY   | ASTM  | METRIC UNITS |
|--|-------|--------------|
| Tensile Strength                                       | D638M | 30 MPa       |
| Modulus of Elasticity, Youngs Modulus                  | D638M | 1,958 MPa    |
| Elongation Break (%)                                   | D638M | 2.5 %        |
| Flexural Strength                                      | D790M | 68 MPa       |
| Flexural Modulus                                       | D790M | 1,800 MPa    |
| IZOD Impact Strength (notched)                         | D256A | 28 J/m       |
| Heat Deflection Temperature<br>@ 0.45 MPa/66 psi, (°C) | D648  | 138 °C       |

