

# PC-ISO

**Technology: FDM**

**COLOR OPTIONS:**  White & Translucent Natural



**APPLICATIONS:**

Conceptual modeling, functional prototyping, end-use parts, medical devices, food packaging.

**DESCRIPTION:**

FDM Technology uses the same tried and tested thermoplastics found in traditional manufacturing processes. PC-ISO has superior mechanical properties and complies with ISO 10993.

**FEATURES:**

Biocompatible (ISO 10993 and USP Class VI). Sterilizable using gamma radiation or Ethylene Oxide (Eta) methods.

**TECHNICAL DATA**

| PROPERTY  | ASTM  | METRIC UNITS |
|---|-------|--------------|
| Tensile Strength                                    | D638M | 57 MPa       |
| Modulus of Elasticity, Youngs Modulus               | D638M | 2,000 MPa    |
| Elongation Break (%)                                | D638M | 4 %          |
| Flexural Strength                                   | D790M | 90 MPa       |
| Flexural Modulus                                    | D790M | 2,100 MPa    |
| IZOD Impact Strength (notched)                      | D256A | 86 J/m       |
| Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C) | D648  | 133 °C       |