

PC ISO (Polycarbonate ISO 10993 USP Class VI)

Key Features

Strength • Biocompatibility • Stiffness • Heat resistance

Applications

Prototyping • End-use parts • Aerospace • Automotive • Medicine, dentistry • Consumer goods

Product Description

PC-ISO is a biocompatible polycarbonate material compliant with ISO 10993 and USP Class VI standards, making it suitable for medical, pharmaceutical, and food-related industries. With sterilization capabilities using gamma radiation or ethylene oxide (EtO), PC-ISO is ideal for applications requiring biocompatible or sterilized 3D printed parts. Renowned for its high strength and stiffness, PC-ISO's versatility, durability, and dimensional stability cater to various applications, from aerospace and automotive prototyping to surgical instruments and prosthetics.

Properties

Tensile modulus	2,000 MPa
Tensile strength	57 MPa
Elongation at break	4%
Flexural strength	90 MPa
Flexural modulus	2,100 MPa
Heat deflection temperature (0.45 MPa)	133°C
Heat deflection temperature (1.80 MPa)	127°C
Glass transition temperature	161°C
Vicat softening temperature	139°C
Density	1.2 g/cm ³

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

