

# PC-ISO

PC-ISO (polycarbonate-ISO), an industrial thermoplastic, which in its raw state, is biocompatible (ISO 10993 USP Class VI) and can be gamma or EtO sterilized.

PC-ISO is commonly used in food and drug packaging and medical device manufacturing because of the material's strength and medical compatibility.

PC-ISO gives you parts that can be used for conceptual modeling, functional prototyping and end-use parts

Mechanical Properties	Test Method	Metric
Tensile Strength, (Type 1, 0.125", 0.2"/min)	ASTM D638	57 MPa
Tensile Modulus (Type 1, 0.125", 0.2"/min)	ASTM D638	2,000 MPa
Tensile Elongation at Break (Type 1, 0.125", 0.2"/min)	ASTM D638	4%
Flexural Modulus (Method 1, 0.05"/min)	ASTM D790	2,100 MPa
Flexural Strength	ASTM D790	90 MPa
IZOD, nothed (Method A, 23°C)	ASTM D256	86 J/m
IZOD un-notched, Method A, 23°C)	ASTM D256	53 J/m

Thermal Properties	Test Method	Metric
Heat Deflection (HDT) @ 66 psi	ASTM D648	133°C
Heat Deflection (HDT) @ 264 psi	ASTM D648	127°C
Vicat Softening Temperature	ASTM D1525	139°C
Glass Transition (Tg)	DMA (SSYS)	161°C
Melting Point	Not Applicable	Not Applicable