



COR Bio

COR Bio features an unprecedented combination of toughness, biocompatibility, and autoclavability – a critical triad for end-use healthcare and consumer applications.

<u>Mechanical Properties</u>	<u>Metric</u>	<u>U.S.</u>	<u>Method</u>
Tensile Modulus	2.2 GPa	319 ksi	ASTM D638
Ultimate Tensile Strength	63 MPa	9.1 ksi	ASTM D638
Tensile Toughness	>35 MPa	> 5 ksi	ASTM D638
Elongation at Break	100 ± 20%		ASTM D638
Flexural Modulus	1.5 GPa	218 ksi	ASTM D790
Ultimate Flexural Strength	47 MPa	6.8 ksi	ASTM D790
Impact Strength (Un-Notched IZOD)	>500 J/m		ASTM D256
<u>Thermal Properties</u>			
Glass Transition Temperature (Tg) (DSC)	135 °C	275 °F	ASTM E1356
Tg (DMA, Loss Modulus Curve @ 1Hz)	133°C	271 °F	ASTM D4065
<u>Biological Properties</u>			
In Vitro Cytotoxicity	Grade 0		ISO 10993-5

polySpectra helps innovative engineers 3D print end-use components that they can trust, using the world's most rugged photopolymer resins.

Make it real.