ThOR 10

ThOR 10 is a 10% glass-filled Cyclic Olefin Resin that features an unprecedented combination of impact strength, thermal stability, and chemical resistance.

Mechanical Properties	Metric	U.S.	Method
Tensile Modulus	2.0 GPa	290 ksi	ASTM D638
Ultimate Tensile Strength	43 MPa	6.2 ksi	ASTM D638
Elongation at Break	>20%		ASTM D638
Flexural Modulus	1.5 GPa	218 ksi	ASTM D790
Ultimate Flexural Strength	42 MPa	6.1 ksi	ASTM D790
Impact Strength (Un-Notched IZOD)	360 J/m	6.58 ft·lbf/in	ASTM D4812
Impact Strength (Notched IZOD)	55 J/m	1.01 ft·lbf/in	ASTM D256
Thermal Properties			
Tg (DMA, Loss Modulus Curve @ 1Hz)	131°C	268 °F	ASTM D4065

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

Make it real.