

Mechanical Properties of Commonly Used Thermoplastics

MATERIAL	PMMA	POLY-STYRENE	POLY-CARBONATE	COP	POLYESTER	N-BK7 (REFERENCE)
CoEfficient of Thermal Expansion (CTE) (X 10 ⁻⁶ /°C)	60	50	68	60	72	7.1
Operating Temperature (°C)	85	75	120	135	125	>400
% H ₂ O Absorption (25 hour immersion)	0.3	0.1	0.2	<0.01	0.15	-
Specific Gravity	1.18	1.05	1.25	1.02	1.22	2.51