

	Acrylic	Rigid Vinyl	Polycarbonate
Index of Refraction	1.49	1.54	1.586
Tensile Modulus (10 ³ PSI)	325-470	350-600	345
Flexural Modulus (10 ³ PSI)	390-470	300-500	340
Hardness	M80-M100 (Rockwell)	D65-85 (Shore)	M70-M72 (Rockwell)
Thermal expansion (10 ⁻⁶ /°C)	76	76	68
Service Temp., °C	80	70	120
Specific gravity	1.19	1.45	1.20
Effect of sunlight	none	yellowes	yellowes slowly

Physical properties of some materials available from Fresnel Technologies, Inc.