

Materials	Tensile Strength		Flexural Modulus of Elasticity		Izod Impact		Heat Deflection Temperature		Water Absorption		Specific Gravity		Water Absorption		Tensile Strength		Tensile Modulus of Elasticity		Tensile Elongation		Flexural Strength		Flexural Modulus of Elasticity		Compressive Strength		Hardness		Izod Impact		Coefficient of Linear Thermal Expansion		Heat Deflection Temperature		Max Continuous Service Temperature in Air		Dielectric Strength		Light Transmittance		Haze		
	73°F	73°F	73°F	73°F	66psi / 264psi	66psi / 264psi	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	73°F	10% Deformation	Rockwell M&K, Durometer Shore D	Rockwell M&K, Durometer Shore D	73°F	73°F	66psi / 264psi	66psi / 264psi	66psi / 264psi	66psi / 264psi	Short Term	Short Term	Transparency / Clarity	Transparency / Clarity	Cloudy Appearance	Cloudy Appearance			
Units	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
See all	ASTM Test	D638	D790	D256	D648	D570	D792	D570	D638	D790	D790	D695	D785, D2240	D256	D696	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648	D648
	ABS	4,100	304,000	7.7	200	177	1.04	0.3	4,100	294,000	32	9,100	304,000	-	5.6	200	177	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
	Acrylic	10,000	420,000	1.5	316	217	1.42	0.25	10,000	450,000	75	14,300	420,000	-	M80, R121, Shore D 83	1.5	6.8	316	217	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185
	Aluminum	10,000	480,000	0.4	-	195	1.19	0.2	10,000	400,000	4.5	17,000	480,000	17,000	M95	0.4	4	-	195	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
	ASPL	4,000	200,000	-	172	-	0.96	0.1	4,000	-	600	-	200,000	-	Shore D 69	-	7	-	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	BRN	1,400	30,000	-	122	-	0.92	0.1	1,400	-	500	-	30,000	-	Shore D 55	-	-	-	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	BRN	12,400	410,000	-	194	1.2	1.14	1.2	12,400	470,000	90	17,000	410,000	-	M85, R121, Shore D 80	1.2	-	-	194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	CEL	14,000	590,000	1.6	-	306	1.32	0.5	14,000	490,000	60	24,600	590,000	-	M105, R126, Shore D 85	1.6	2.6	-	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	CEL	11,500	400,000	0.7	240	175	1.38	0.1	11,500	400,000	70	15,000	400,000	-	M91, R125, Shore D 87	0.7	1.9	240	175	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	EPDM	9,500	345,000	12.0-16.0	280	270	1.2	0.15	9,500	345,000	135	13,500	345,000	12,500	M70, R118, Shore D 80	12.0-16.0	3.8	280	270	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
	ETFE	1,500-3,000	72,000	3.5	250	-	2.15	<0.01	1,500-3,000	-	100-200	-	72,000	-	Shore D 55	3.5	8.9	250	-	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
	HDPE	3,100	210,000	-	-	-	0.93	slight	3,100	-	350	-	210,000	-	Shore D 64	-	11.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				Typical																																							
							Physical																																				