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## Flame Retardant Polycarbonate Properties

Physical Properties	ASTM Test Method	Units	Values
Specific Gravity	D-792	g/cm <sup>3</sup>	1.20
Light Transmission	D-1003	%	86
Water Absorption	D-570	%	0.15
Mechanical Properties	ASTM Test Method	Units	Values
Tensile Strength-Ultimate	D-638	psi	9,500
Tensile Strength-Yield	D-638	psi	9,000
Tensile Modulus	D-638	psi	340,000
Flexural Strength	D-790	psi	13,500
Compressive Strength	D-695	psi	12,500
Izod Impact Strength – Notched @ 1/8"	D-256	ft-lb/in Notch	2
Izod Impact Strength – Unnotched @ 1/8"	D-256	ft-lb/in Notch	60(no break)
Instrumented Impact @ 1/8"	D-3763	ft·lbs	47.00
Thermal Properties	ASTM Test Method	Units	Values
Coefficient of Thermal Expansion	D-696	in/(in-°F) x 10 <sup>-5</sup>	3.75
Coefficient of Thermal Conductivity	C-177	BTU-ft/(hr-ft <sup>2</sup> -°F)	1.35
Heat Deflection Temperature, @ 264 psi	D-648	°F	270
Heat Deflection Temperature, @ 66 psi	D-648	°F	280
Flammability Properties	ASTM Test Method	Units	Values
Horizontal Burn, AEB	D-635	in	<1
Flame Class @ 0.060"	UL 94		V-0

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.