



ClaritexTM Polycarbonate Films

PRODUCT DATA SHEET

TYPICAL PROPERTIES

Physical Properties	Unit	Test Method	Value
Physical			
Specific Gravity, 23°C	-	ASTM D-792	1.20
Melt Flow Index, 300 °C, 1.2 kg	G/10 min	ASTM D-1248	5.0
Water Absorption, 24 hrs 73°F, 22.8C	%	ASTM D-570	0.23-0.26
Mold Shrinkage	%	3mm thick, 100mm diam. disk	0.5-0.8
Optical			
Light transmission (3mm thick)	%	ASTM D-1003	85-89%
Refractive Index	%	ASTM D-542	1.585%
Mechanical			
Tensile Strength, yield, 0.125" , 4.921 mm	PSI (MPa)	ASTM D-638	8,750 (60)
Tensile Elongation, break, 0.125", 4.921mm	%	ASTM D-638	120
Flexural Strength, 0.125", 4.921mm	PSI (MPa)	ASTM D-790	12,325 (85)
Fluxural Modulus, 0.125", 4.921mm	10x5 PSI (MPa)	ASTM D-790	3.3 (2,300)
Rockwell Hardness	R-Scale	ASTM D-785	122
Impact			
Izod Impact Str., Notched, 0.125" (3.175mm)	--	ASTM D-256	16.8 (900)
Thermal			
Heat Deflection Temp. @66PSI (4.640 GSC)	°F (°C)	ASTM D-648	284 (140)
Heat Deflection Temp. @264PSI (18,561GSC)	°F (°C)	ASTM D-648	275 (135)
Flame Class			
Flammability	--	UL94	V2 _≥ 15mil (375 micron)
Flammability/ Motor Vehicle		ASTM 0618/ FMVSS 302	Pass _≥ 10 mil (250 micron)
Electrical			
Dielectric Strength	Volts/mil (25 microns)	D-149	508
Dielectric Constant 60Hz	--	D-150	2.850
Dielectric Factor 60Hz	--	D-150	.0082

CLARITEX POLYCARBONATE FILMS

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All figures in this table are the typical figures and, therefore, no guarantee.