

Property	ASTM* Test Method	Unit	Typical Value
<b>Physical</b>			
Density	D-792	g/cc	1.38
Water Absorption (24 hrs @ 73°F)	D-570	%	0.04
<b>Mechanical</b>			
Tensile Strength	D-638	PSI	10,200
Tensile Modulus	D-638	PSI	426,000
Elongation	D-638	%	36
Izod Impact	D-256	ft. lbs./in.	0.52
Rockwell Hardness	D-785	"R" scale	115
<b>Thermal</b>			
Heat Distortion Temperature at 66 psi	D-648		144
at 264 psi	D-648		138
Vicat Softening Temperature	D-1525		152
Coefficient of Thermal Expansion	D-696		7 x 10 <sup>-5</sup>
<b>Electrical</b>			
Flammability	D-635 UL		self-extinguishing 94V-0, 94-5V
Volume Resistivity	D-257	ohm-cm	>10 <sup>15</sup>

\*American Society of Testing Materials

### Fabricator & Specifier Benefits

- Normal impact
- Excellent chemical/corrosion resistance
- Easily fabricated, welded, & machined
- Showcase quality surface
- Single- or double-side protective masking
- Stress relieved, square, flat sheet
- Accurate to dimensional tolerances
- Color consistent

### Application Areas

- Chemical processing
- Semiconductor processing equipment
- Machined & fabricated parts
- Work Stations

### Standards and Specifications

- ASTM D-1784-81 Type I Grade I Class 12454
- Federal Specification L-P 535e
- UL94V-0, 94-5V Flammability rating
- ASTM E 84 Flame Spread Rate 15, Fuel Contribution 0
- Maximum Application Temperature 140°F

### Standard Availability

Extruded Sheet Size: 48" x 96"

Gauges: 151 Clear (Masked 2 Sides) 1/8, 3/16, 1/4, 3/8, 1/2 (59x118 special quote)

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