

Property	ASTM* Test Method	Unit	Typical Value
Physical			
Density	D-792	g/cc	1.33
Water Absorption (24 hrs @ 73°F)	D-570	%	0.05
Mechanical			
Tensile Strength	D-638	PSI	6,070
Tensile Modulus	D-638	PSI	345,000
Elongation	D-638	%	145
Izod Impact	D-256	ft. lbs./in.	14
Rockwell Hardness	D-785	“R” scale	107
Thermal			
Heat Distortion Temperature at 66 psi	D-648		165
at 264 psi	D-648		158
Vicat Softening Temperature	D-1525		162
Coefficient of Thermal Expansion	D-696		7 x 10 ⁻⁵
Expansion			
Flammability	D-635 UL		Self-extinguishing 94V-0
Electrical			
Volume Resistivity	D-257	ohm-cm	>6.2x10 ¹⁶

Fabricator & Specifier Benefits

- High Impact Resistance
- Minimal Shrinkage
- Good corrosion/chemical resistance
- Easily fabricated, welded, & machined; hot & cold formable
- Showcase quality surface
- Stress relieved, square, flat sheet
- Accurate to dimensional tolerances
- Color consistent

Application Areas

- Pollution control equipment
- Machined & fabricated parts
- Etching & plating tanks
- Scrubbers, ducts, & other protective equipment

Standards and Specifications

- ASTM D1784-81 Type II Grade I Class 15333-D
- ASTM E 84 Flame Spread Rate 15 Fuel Contribution 0
- Conforms to UL94V-0 Standards
- Federal Specification L-P 535e

*American Society of Testing Materials

Standard Availability

Extruded Sheet Size: 48" x 96" Tolerances: gauge: +/-5%, width: -0/+1/2", length: -0/+3/4"

Gauge: 250 Grey - 1/16, 1/8, 3/16, 1/4, 3/8, 1/2"

252 White - 1/8, 3/16, 1/4, 3/8, 1/2"

Call for custom lengths, colors, masking or special requirements.

HPG offers various warranties on the products it sells. Please refer to HPG's warranty specifications for complete details of the types of warranties and their respective coverage. If a separate warranty is not obtained, HPG will not be liable under any circumstances for the materials or their installation. **HPG excludes, and all users of its products are deemed to have waived, all implied warranties, including merchantability and fitness for a particular purpose, and any incidental or consequential damages. HPG's sole liability for its product and any damage is limited to that expressly contained in a warranty signed and delivered by HPG.**