

Property	ASTM* Test Method	Unit	Typical Value
Mechanical			
Specific Gravity	D-792		1.51
Tensile Strength	D-638	PSI	7,600
Elongation			
Ultimate	D-638	%	37
Modulus of Elasticity	D-638	PSI in Tension	4x10 ⁵
Flexural Strength	D-790	PSI	11,000
Flexural Modulus	D-790	PSI	3.5x10 ⁵
Impact Strength			
(Notched Izod)	D-56	ft.lbs./In Notch	1 – 2
Hardness, Rockwell	D-785	“R”	118
Hardness, Shore	D-2240	“P”	82
Compression Strength	D-695	PSI	11,400
Sheer Strength	D-732	PSI	9,220
Thermal			
Thermal Expansion	D-696		7.97x10 ⁵
Heat Distortion +	D-648	F@ 264 psi	212
Thermal Conductivity	C-177	BTU/HR/FT/F/In	0.641
Specific Heat	C-351		0.220
Other			
Water Absorption 24 hrs.	D-570	%	0.035
Flammability		1/8” and over	94V-O
Thermoformability			Fair
Weld gas recommended			Nitrogen

*American Society of Testing Materials
+Annealed Sample

Fabricator & Specifier Benefits

- Easily fabricated, welded, and machined
- Color Consistent
- Meets established ASTM specifications
- Normal impact, high temperature
- Corrosion-resistant
- Distinguishable color

Application Areas

- Machine flanges
- Valves
- Acid tanks
- Linings

Standards and Specifications

- ASTM D-1784 Class 23447B.
(Type IV, Grade I)
- UL94V-0 Flammability rating

Standard Availability

Sheet Size: 48" x 96"

Smooth/Smooth Both Sides

Thickness: 1/16", 1/8", 1/4", 1/2"

Available Upon Request

Thickness: .032, .093, .187, .375, .625 through 2.5"

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