

Extruded Homopolymer Polypropylene Sheet

500 Natural, 520 White, 530 Black, 540 Blue

Property	ASTM* Test Method	Unit	Typical Value
Physical			
Density	D-792	g/cc	0.91
Water Absorption (24 hrs @ 73°F)	D-570	%	0.02
Mechanical			
Tensile Strength	D-638	PSI	4,900
Tensile Modulus	D-638	PSI	210,000
Elongation	D-638	%	200
Izod Impact	D-256	ft. lbs./in.	1.0
Rockwell Hardness	D-785	"R" scale	92
Thermal			
Heat Distortion Temperature	D-648		
at 66 psi	D-648		210
at 264 psi	D-648		135
Vicat Softening Temperature	D-1525		300
Coefficient of Thermal Expansion	D-696		9 x 10 ⁻⁵
Electrical			
Volume Resistivity	D-257	ohm-cm	>10 ¹⁶

*American Society of Testing Materials

Fabricator & Specifier Benefits

- Excellent corrosion, chemical resistance
- Easily fabricated, welded, & machined
- Accurate to dimensional tolerances
- Stress-relieved, square, flat sheet
- Color consistent
- Showcase quality surface
- Meets established ASTM specifications

Application Areas

- Semiconductor processing equipment
- Machined & fabricated parts
- Laboratory equipment
- Wet benches
- Food grade applications
- Prosthetics
- Etching & plating lines
- Acid tanks
- Ducts, fume hoods, and other protective equipment

Standards and Specifications

- ASTM D-4101 Group I Class I Grade II
- FDA Regulation Title 21 CFR 177.1520 (C1.1)
- Federal Specification LP-394B Type I (GP) Type III Grade IIIA Class III
- USDA Approval for direct contact with meat and poultry products (Natural & White)
- Military Standard D/N/A
- UV Radiation Exposure 500 hours no visible change
- California Proposition 65 – Safe Drinking Water and Toxic Enforcement Act - Passes

Standard Availability

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

Gauges: 500 Natural - Smooth Finish - 1/16, 3/32, 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 1"

Also 48" x 120" lengths - 1/4, 3/8, 1/2"

520 White - High Gloss (1/4 to 1" Masked 1 Side) - 1/16, 1/8, 3/16, 1/4, 3/8, 1/2, 3/4, 1"

Also 48" x 120" lengths - 1/4, 3/8, 1/2"

530 Black - High Gloss (Masked 1 Side) - 1/8, 3/16, 1/4, 3/8, 1/2,"

540 Blue - High Gloss (Masked 1 Side) - 1/8, 1/4, 1/2"

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

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