


PSG® AluPOLY®



Piedmont Sign Grade® AluPOLY® is a versatile aluminum composite material that can be used in a variety of applications and markets. AluPOLY® is strong and rigid making it ideal for both indoor and outdoor applications. Its easily cleaned and scratch resistant surface gives AluPOLY® long term durability.

Applications

- Interior/Exterior Signage
- Real Estate Signage
- POS/POP
- Exhibition Stands/Display
- Temporary Traffic Signage
- Monument Signage
- Ceiling/Wall Panels
- Interior Design
- 2D/3D Signage
- And Much More...

Features and Benefits

- Anti-corrosion and primer treatments applied to both sides of the aluminum sheet making it impervious to water and most chemicals.
- Polyester painted surface accepts most types of ink/paints.
- Excellent ultraviolet (UV) ray protection and weatherability.
- Easily cut, fabricated, mounted and installed using everyday tools.
- Can be digitally printed, screen printed or media applied directly to substrate.
- Withstands extreme outdoor conditions.
- Increases efficiency, reduces labor, saves time and money.

Thicknesses Available

- .006 Econ
- .008 Standard
- .012 High Strength (HS)

Gauges

- 2 mm
- 3 mm
- 6 mm

Standard Size Sheets

- 48" x 96"
- 48" x 120"
- 60" x 120"

Standard Colors

- Black, White, Brite White, Red, Green, Blue, Yellow, Digital, Brushed Aluminum, Brushed Gold/Brushed Silver

Custom colors, gauges, and sizes available.

PSG® AluPOLY® has met UL Compliance as a component for sign accessories in accordance to UL879.



Contact us today!

800.277.7898 Toll Free | 704.597.8200
5010 West W.T. Harris Blvd. | Charlotte, NC 28269



where solutions take shape
www.piedmontplastics.com

Physical Properties

Panel Thickness	Standard	Unit	2 mm (.080)	3 mm (.118)			6 mm (.240)
Thickness of Aluminum	DIN 1784	in	.008	.006	.008	.012 (HS)	.008
Aluminum Thickness Deviation	DIN 1784	inches	±.0008	±.0008	±.0008	±.0008	-.0008 - .002
Weight		lbs/ft ²	.58	.80	.82	.90	1.38
Tolerance in Length		inches	-.080/+ .157	-.080/+ .157	-.080/+ .157	-.080/+ .157	-.080/+ .157
Tolerance in Width		inches	-.080/+ .118	-.080/+ .118	-.080/+ .118	-.080/+ .118	-.080/+ .118
Tolerance in Thickness		inches	±.006	±.006	±.006	±.006	±.006
Horizontal Flatness	DIN ISO 1101	inches	.197	.197	.157	.118	.118
Longitudinal Roughness	DIN ISO 1101	inches	.315	.197	.197	.197	.197

Technical Properties

Panel Thickness	Standard	Unit	2 mm (.080)	3 mm (.118)			6 mm (.240)
Thickness of Aluminum			.008	.006	.008	.012 (HS)	.008
Section Modulus W	DIN 53293	in ³ /yds	.103	.083	.086	.094	.165
Rigidity (Poisson's ratio $\mu = .3$) E.I	DIN 53293	kNm ² /m	.97	.13	.14	.16	.86
Modulus of Elasticity	EN 1999 1-1	lbs/in ²	10,153,660				
Tensile Strength of Aluminum	EN 485-2	lbs/in ²	≥ 21,030				
.2% Proof Stress	EN 485-2	lbs/in ²	29 ≥ 13,053				
Elongation	EN 485-2	%	3				
Linear Thermal Expansion	EN 1999 1-1	in/yd/°F	2.4 at 212°F Temp difference				

Surface Coating

Panel Thickness	Standard	Unit	3 mm (.118)
Lacquering			PE (Polyester)
Thickness of Coating		µm	≥ 16
Gloss (Initial Value)	ECCA T2	%	20 - 100
Pencil Hardness	ECCA T4		2H

Thermal Properties

Panel Thickness	Standard	Unit	3 mm (.118)
Temperature Range		°F	-58° - 176°



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