

ALUMALITE® ECONOMY

Technical Data Sheet

PRODUCT: Alumatite® Economy

EFFECTIVE: March 3, 2022

Description: Alumatite® Economy is a metal composite material (MCM) panel that consists of a thermoplastic core bonded to a color finished sheet of aluminum on one face and a color or protected mill finished sheet of aluminum on the other. Panels are intended for use in digital print-ready sign panel applications.

Properties:

Thickness (standard)	3 mm (nom)	5 mm (nom)	10 mm (nom)
Weight	0.50 psf (+/-)	0.52 psf (+/-)	0.68 psf (+/-)
Core	Extruded Profile Polypropylene		
	2 mm Core	4 mm Core	9.5 mm Core
Sheets (ASTM B209)	3105-H18/28 Aluminum 0.010 in		
Texture Finish	Smooth		
Color Finish (AAMA 2605)	Polyester		
Thermal Expansion	13.1x10 ⁻⁶ in/in/°F		
Tolerances	(±) 1/4 in (Length & Width) and (±) 1/32 in (Thickness)		
Squareness	Equal Within 1/8" (Diagonals)		
Flatness	< 1/4 in / 4 ft (0.52%)		

Performance:

Fire Performance (ASTM E84)			
• Class	A	A	A
• Flame Spread Index	0	0	0
• Smoke Developed Index	50	40	105
Flexural Rigidity (EI) ¹ (ASTM E529)	Not Available	9.78x10 ³ lb-in ² /ft	Not Available
Warranty ²	5 years against bond line delamination		
	10 years against color fade in excess of (8) NBS units and cracking, chipping, flaking, or peeling		

Go beyond the panel... and go to the next level!

Notes:

1. Performed in conjunction with ASTM E529 Standard Guide for Conducting Flexural Tests on Beams and Girders for Building Construction.
2. Contact Laminators Inc. for full warranty terms and conditions.

