

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		

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.

