

OMEGA-LITE®

Technical Data Sheet

PRODUCT: Omega-Lite®
EFFECTIVE: March 23, 2020

Description: Omega-Lite® is a metal composite material (MCM) panel that consists of a thermoplastic core bonded to a finished sheet of aluminum on one face and an unfinished sheet of aluminum on the other. Panels are intended for use in Laminators Inc. installation systems.

Properties:

Thickness (standard)	6 mm (nom)
Weight	0.99 psf (+/-)
Core	Extruded Corrugated Polypropylene
Sheets (ASTM B209)	3003-H14/24, 3105-H14/24 & H26/28, 5005-H34 Aluminum 0.0125 to 0.032 in
Texture Finish	Smooth
Color Finish (AAMA 2605)	PVDF/Kynar 500®, Polyester, or Anodized
Thermal Expansion	13.1×10^{-6} in/in/°F

Performance:

R-Value (ASTM C518)	0.50 hr °F ft² / BTU
Fire Performance (ASTM E84)	Class A Flame Spread Index (FSI) = 0 Smoke Developed Index (SDI) = 20
Sound Transmission (ASTM E90)	STC 24
Average Peel Torque (ASTM D1781)	24.06 in-lb/in
Self-Ignition Temperature (ASTM D1929)	770°F
Combustibility Classification (ASTM D635)	Class CC1
Flexural Rigidity (EI) (ASTM E529) *	4.0×10^4 lb-in²/ft

Notes:

1. All panels include 0.0125 in sheet thickness backer.
2. * Performed in conjunction with ASTM E529 Standard Guide for Conducting Flexural Tests on Beams and Girders for Building Construction.

Over 50 years of manufacturing high quality composite panels and installation systems.