

Northwestern Ohio Foam Products Inc.

# MicroFoil™

## Test Data Sheet

Specimen Product Tested:

Core: Composed of 4 plies of .0625" Microfoam polypropylene foam - total thickness .25"  
Facings: Reinforced, 99.7% high purity aluminum facings

Surface Emissivity: .03

Flame Spread Index: 15

Smoke Development Index: 35

Flame Spread & Smoke Development Test per:  
ASTM E84-00a Standard Test Method for Surface Burning Characteristics of Building Materials  
(ANSI 2.2 NFPA 255, UBC 8-1, and UL 723)

Resulting Fire Rating: Class A / Class 1

Puncture Resistance in PSI: ASTM D 3420 90

Tear in lbs: ASTM D 1922 1.9 - 2.8

Water Vapor Transmission in grains/hr sqft: ASTM E 96 .005

Water Absorption in lbs/sqft: FTMS 101B Method 4035 .0003

Fungus Growth Resistance - Mold Growth Resistance: Mil E 8261A NO GROWTH

Useable Temperature Range in Fahrenheit: -150 to +200 Deg. F

R-Value (includes air film of 3.5") - MicroFoil Heat Flow Resistance: °F ft<sup>2</sup> hr/Btu

Roof - Downward 14.4

Roof - Upward 7.4

Wall - Horizontal 10.2

ALL TESTING HAS BEEN PERFORMED BY CERTIFIED TESTING LABORATORIES

Flame Spread Index - Smoke Development Index Testing by: Omega Point Laboratories  
Balance of all above testing by: United States Testing Laboratories, Inc.

Note: These typical property values are intended as guidelines only, and not as specification limits.