



FR Composite Sheet

Laminated EPS Insulation - High Density Cover Board

Labor Saving Combination of Premium EPS Insulation with a Fire Retardant Laminate for Commercial & Industrial Roofing

What is FR Composite Sheet?

Cellofoam® FR Composite Sheet is made from a coated-glass fiber mat laminated onto premium expanded polystyrene (EPS) foam insulation for use as a combined insulation and fire retardant layer in roofing applications.

- Size: 48" x 96"; Thickness: 1/2"
- ASTM C578 nominal density: 3.0 lb/ft³
- EPS Core is made of premium virgin material

Code Approvals: ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation; Underwriters Laboratory Listed, UL ER7260; UL classified TGFU.R7260 for ballasted and mechanically attached roofing assemblies



Lamination Advantage

The laminate negates the need for slip sheets or expensive and heavy cover boards in many roof systems, saving significant material and labor costs. Cellofoam® FR Composite Sheet is used in low-slope roof applications that employ mechanically attached or ballasted single ply membrane systems, and may be part of Class A fire rated roof assembly.



Building Insulation Plant Locations for FR Composite Sheet

11237 Astronaut Blvd.
Orlando, FL 32837

150 Crossroads Dr
Whiteland, IN 46184

Contact Us With Any Questions!





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Cellofoam® High Density EPS Properties ¹	Units	60 PSI
ASTM C578 TYPE	N/A	XV
Compressive Resistance @ 10% def., min.	psi (kPa)	60 (414)
Density	lb/ft ³ (kg/m ³)	
Min.		3.0 (48.0)
Nominal		3.0 (48.0)
Thermal Resistance ² of 1.0 in. thickness, min.	°Fft ² /h/Btu (°Cm ² /W)	
at 25°F		5.10 (0.898)
at 40°F		5.05 (0.889)
at 75°F		4.60 (0.810)
Flexural Strength, min.	psi (kPa)	75 (517)
Water Vapor Permeance (1.0 in. thickness)	perm (ng/Pa·s·m ²)	0.6-1.5
Water Absorption by total immersion	volume %	< 1.5
Oxygen Index, min.	volume %	24.0
Flame Spread Index	N/A	< 20
Smoke Developed Index	N/A	150-300
1. Typical physical properties are based on data provided by resin manufacturer, independent test agencies, and Cellofoam North America Inc.		
2. R means resistance to heat flow. The higher the R value, the greater the insulating power.		

The Cellofoam® Difference

Our Company is dedicated to delivering exceptional products & services that protect what matters.

- Environmentally Friendly
- Stable R-Value
- Premium Quality
- Moisture Resistant
- Labor & Materials Savings
- Code Approvals



800-468-3626

www.cellofoam.com

Warning: This product is combustible and if exposed to a fire of sufficient heat and intensity may burn rapidly. It should not be left exposed or inadequately protected. Protect Cellofoam® expanded polystyrene from exposure to hydrocarbons, coal tar pitch, solvents, and solvent fumes. Consult specific instructions and applicable building codes for use of this product.

Cellofoam® North America Inc. is an expanded polystyrene foam manufacturer and not an engineering consulting firm. Thus, it is beyond our scope to provide design services on the specific use for our products. Users of our EIFS EPS products should consult with appropriate engineering and code experts to determine the exact type and specifications of EPS required for their project. The sale of these products shall be subject to Terms and Conditions of Sale, including those limiting warranties as set forth in Cellofoam®'s invoices. No agent, employee, or representative of Cellofoam® North America Inc. or its subsidiary or affiliated companies is authorized to modify this disclaimer.