



# Closed cell foam insulation

## Intek® PFI-1130

**Intek®** is a range of light weight high performance thermal and acoustic insulation products. Intek® emits virtually no smoke or incapacitating toxic biproducts when exposed to open flames. Intek® is lightweight, has a wide operating temperature range and can easily be removed for maintenance and then reused.

**Intek® PFI-1130** closed cell insulation is a Polyimide insulation foam used in commercial and defense marine market as a lightweight, non-flammable, non-fibrous thermal hull insulation for submarines and other marine vessels. It can be easily cut into a variety of shapes and sizes, and specialty facings are available to meet performance and specification requirements.



### Benefits:

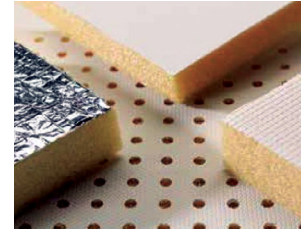
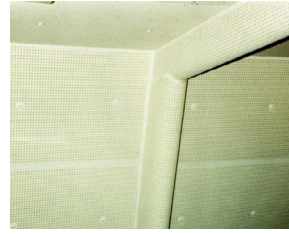
- Superior fire resistance - emits virtually no smoke or incapacitating toxic bi-products when exposed to an open flame. Remains stable in high humidity
- Extremely lightweight - translating into fuel savings and efficiency
- Acoustic and thermal insulation - excellent acoustic absorption and thermal insulation properties
- Easy installation - lightweight, easy to cut and fit, and readily adapt to fabrication with other materials

### Applications:

- Hull linings
- Bulkhead and deckhead
- Ceiling panels
- Hangar deck
- Beam and duct wrap
- HVAC

## Certificates\*

- Defence Standard 07-247 Smoke and Toxicity
- BS 476 Part 6 Fire Propagation
- BS 476 Part 7 Surface Spread of Flame
- ISO 4589 - 2 Oxygen Index



\*Intek® PFI-1130 may meet additional specifications that are not listed here. Please contact us to determine if it meets your specification, or other requirements.

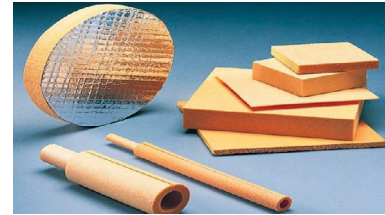
## Typical Technical Data

Properties	Values	Testing
Density	0.50 (8.0)lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	ASTM D3574 Test A, ISO 845
Flame Spread Index	≤ 5	ASTM E162
Smoke Developed Index Non-Flaming	3	ASTM E662
Smoke Developed Index Flaming	5	ASTM E662
Noise Reduction Coefficient (NRC) 1 in (25mm)	0.75	ASTM C423 and E795, Mounting A
Max Continuous Use Temperature	400 (200)°F (°C)	
Thermal Conductivity at 75°F (24°C)	0.32 (0.046BTU-in/hr-ft <sup>2</sup> -°F (W/mK))	ASTM C518

The above are typical values subject to normal manufacturing variation.

## Acoustical

Acoustical absorption coefficients for flexed foam (metric sabins/m <sup>2</sup> or sabins/ft <sup>2</sup> ) ASTM C 423 and E 795, type A Mounting								
Thickness		Frequency (Hz)						
		125	250	500	1000	2000	4000	NRC
25mm	1 in	0.09	0.21	0.63	1.12	0.95	0.93	0.75



The above are typical values subject to normal manufacturing variation.

Trelleborg is an authorized distributor and fabricator of SOLIMIDE® Foams from Boyd Corporation.



## Contact us

Trelleborg's Applied Technologies division is an industry expert in delivering innovative and reliable solutions that maximize performance for our customers. Our vast range of specialized, customizable materials ensure peace of mind at every stage of your project. With reliable and efficient project management and manufacturing we endeavor to take performance to new levels by achieving your goals safely, on time and within scope.



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