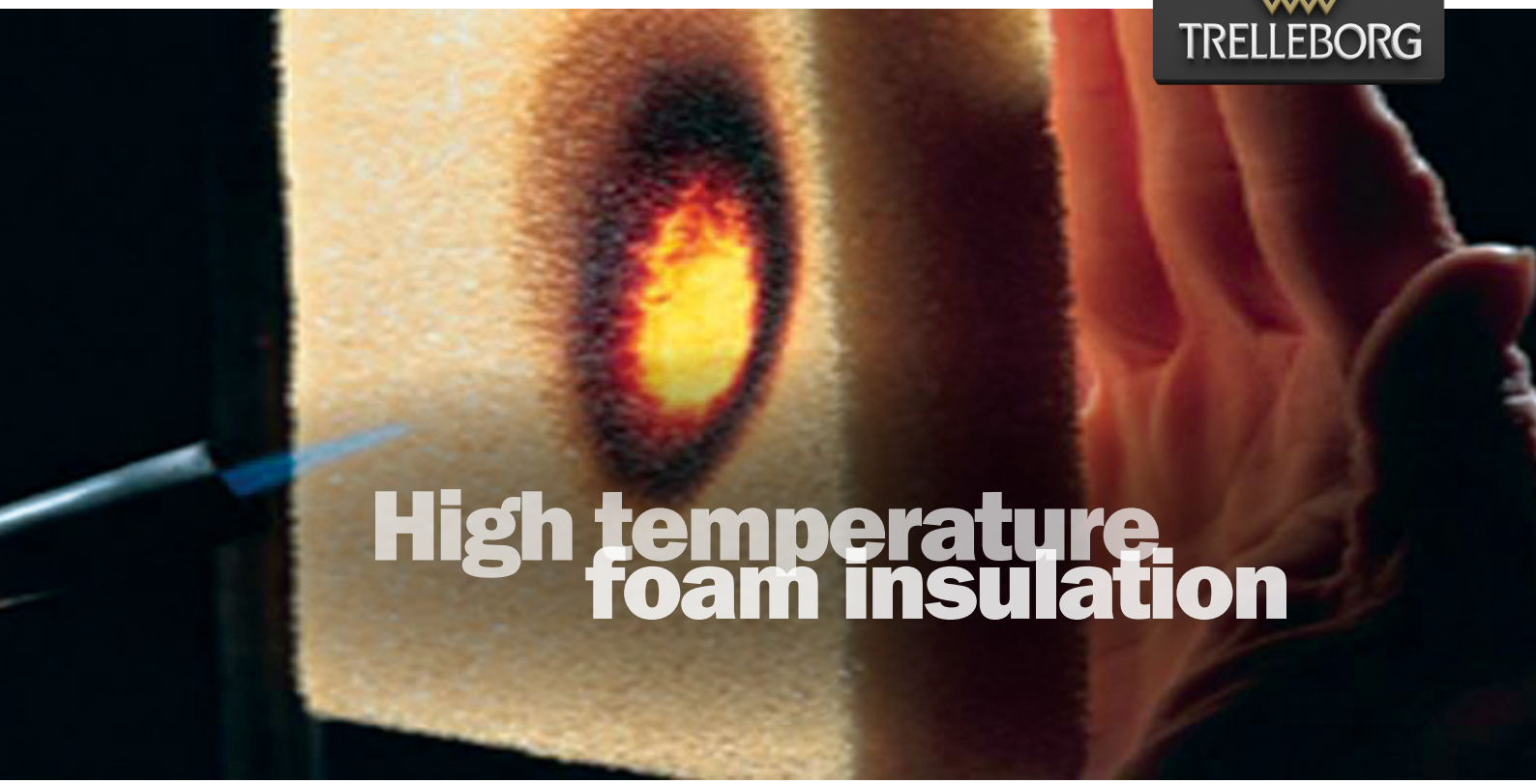


Intek® PFI-1120

Intek® is a range of light weight high performance thermal and acoustic insulation products. Intek® emits virtually no smoke of 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-1120 is used in commercial, industrial and defense markets as a lightweight, non-flammable, thermal and acoustic insulation and is suitable for when high temperature resistance is required. It is formaldehyde-free and demonstrates excellent long-term stability under humid conditions and after temperature cycling.

Intek® PFI-1120 is an ultra-light weight Polyimide foam (6,4kgm^3) that can be cut into a variety of shapes and sizes, and specialty facings are available to meet performance and specification requirements.

Benefits:

- High temperature and superior fire resistance emitting 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:

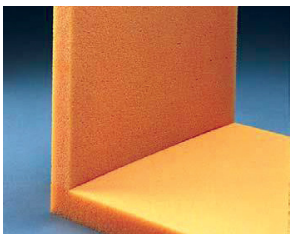
- Ship and submarine hull
- Deckheads and bulkheads
- High temperature pipes and ducts
- HVAC
- Ovens
- Medical storage
- Sensitive electronic, medical and analytical instruments
- Reactor steel containment liner insulation

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
- Fire-Restricting Materials per the International Maritime Organization (IMO) High Speed Craft code in accordance with ISO 9705 with IMO Res. MSC.40(64)
- ASTM C 1482

Classified as A1 by UK MOD meaning can be used in unlimited quantities on specific vessels and platforms

*Intek® PFI-1120 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	0.40 (6.4)lb/ft³ (kg/m³)	ASTM D3574 Test A, ISO 845
FAA Radiant Panel FAR 25.856(a)	Pass	
Flame Spread Index	< 5	ASTM E84
Smoke Developed Index	< 10	ASTM E84
Limiting Oxygen Index	> 40%	ASTM D2863, ISO 4589-2: 1999
Noise Reduction Coefficient (NRC), 1 in (25mm)	0.7	ASTM C423 and E795, Mounting A
Max Continuous Use Temperature	575 (300)°F (°C)	
Thermal Conductivity at 75°F (24°C)	0.32 (0.046)BTU-in/hr-ft²-°F (W/mK)	ASTM C518

The above are typical values subject to normal manufacturing variation.

Acoustical

Acoustical absorption coefficients (sabins/ft² or metric sabins/m²)
ASTM C 423 and E 795, type A Mounting

Thickness		Frequency (Hz)						
		125	250	500	1000	2000	4000	NRC
25mm	1 in	0.08	0.22	0.58	0.93	0.94	0.81	0.65
50mm	2 in	0.34	0.52	0.86	1.06	0.85	0.94	0.80

The above are typical values subject to normal manufacturing variation.

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

nqa. ISO 9001 QUALITY MANAGEMENT

nqa. ISO 14001 ENVIRONMENTAL MANAGEMENT

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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