

Intek® PFI-1110

Thermal and acoustic foam insulation

Intek® PFI-1110 is used in marine, commercial, industrial and defense markets as lightweight, non-flammable, thermal and acoustic insulation. It can be cut into a variety of shapes and sizes, and specialty facings are available to meet performance and specification requirements.

Certificates*:

- DOD-I-24688
- NFPA 130, US FRA and FTA (Docket 90-A)
- Fire-Restricting Materials per the International Maritime Organization (IMO) High Speed Craft code in accordance with the IMO Resolution MSC.40(64)
- ASTM C 1482

*Intek® PFI-1110 may meet additional specifications that are not listed here. Please contact us to determine if it meets your specification, or other requirements.

Benefits:

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



Applications:

Intek® PFI-1110 thermal and acoustic foam insulation is used in a variety of applications including:

- Marine hull board
- Marine ceiling panels
- Hangar deck
- Beam and duct wrap
- Commercial HVAC duct liner
- Walls, roof and floor insulation in train carriages
- Joints and pipe shoes for cryogenic pipelines at chemical facilities
- Electronic, medical and analytical instruments



Typical Technical Data*

PROPERTIES	UNITS	VALUES	TESTING
Density	lb/ft ³ (kg/m ³)	0.40 (6.4)	ASTM D3574 Test A, ISO 845
Flame Spread Index		< 5	ASTM E84
Smoke Developed Index		< 5	ASTM E84
Limiting Oxygen Index	%	> 28	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	°F (°C)	400 (200)	
Thermal Conductivity at 75°F (24°C)	BTU-in/hr-ft ² °F (W/mK)	0.32 (0.046)	ASTM C518
50% Compression Force Deflection	lb/in ² (kPa)	1.2 (8.3)	ASTM D3574, Test C

*The above are typical values subject to normal manufacturing variation.

Contact Us

Trelleborg Applied Technologies delivers innovative and reliable solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

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