

Intek® PFI-1120

High temperature foam insulation

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. It can be cut into a variety of shapes and sizes, and specialty facings are available to meet performance and specification requirements.

Certificates*:

- UL 94 V-0
- 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-1120 may meet additional specifications that are not listed here. Please contact us to determine if it meets your specification, or other requirements.

Benefits:

- High temperature and superior fire resistance - emits virtually no smoke or incapacitating toxic by-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:

Intek® PFI-1120 high temperature foam insulation is used in a variety of applications including:

- High temperature pipes and ducts
- Night storage heaters
- Ovens
- Medical Storage
- Sensitive electronic, medical and analytical instruments
- Reactor steel containment liner insulation
- Drainage systems
- High temperature industrial application



Typical Technical Data*

PROPERTIES	UNITS	VALUES	TESTING
Density	lb/ft ³ (kg/m ³)	0.40 (6.4)	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	°F (°C)	575 (300)	
Thermal Conductivity at 75°F (24°C)	BTU-in/hr-ft ² -°F (W/mK)	0.32 (0.046)	ASTM C518

*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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