



Intek® PFI-1160

# Rail foam insulation



Intek® PFI-1160 is used in the rail market as a lightweight, non-flammable, thermal and acoustic insulation. Very effective in areas that experience humid conditions, high temperatures, or where loose fibers are a concern. It can be cut into a variety of shapes and sizes, specialty facings are available to meet performance and specification requirements.

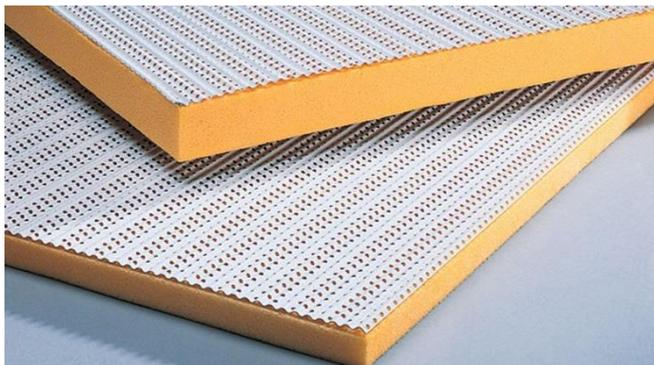
**Certificates\*:**

- NFPA 130, US FRA and FTA (Docket 90-A)
- EN TS 45545-2
- UNI CEI 11170-3
- NF F16-101

\*Intek® PFI-1160 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. 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-1160 rail foam insulation is used in a variety of applications including:

- Sidewall and roof insulation in passenger carriages
- Walls, ceilings and under floor insulation in trains
- Window and door enclosures
- Engine compartments
- HVAC Components



## Typical Technical Data\*

PROPERTIES	UNITS	VALUES	TESTING
Density	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.43 (6.9)	ASTM D3574 Test A, ISO 845
Flame Spread Index		< 3	ASTM E162
Smoke Developed Index		< 3	ASTM E662
Noise Reduction Coefficient (NRC), 1 in (25mm)		0.75	ASTM C423 and E795, Mounting A
Noise Reduction Coefficient (NRC), 2 in (50mm)		0.95	ASTM C423 and E795, Mounting A
Max Continuous Use Temperature	°F (°C)	400 (200)	
Thermal Conductivity at 50°F (10°C)	BTU-in/hr-ft <sup>2</sup> °F (W/mK)	0.27 (0.039)	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.

Tel: +44 (0) 1777 712500

Email: [appliedtechnologies@trelleborg.com](mailto:appliedtechnologies@trelleborg.com)



[WWW.TRELLEBORG.COM/APPLIED-TECHNOLOGIES](http://WWW.TRELLEBORG.COM/APPLIED-TECHNOLOGIES)

