Qatar Insulation
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Aerolam XLPE

CHEMICALLY CROSS LINKED CLOSED CELL POLYETHYLENE FOAM INSULATION

Aerolam Insulations Pvt. Ltd
Saving Energy | Saving Green

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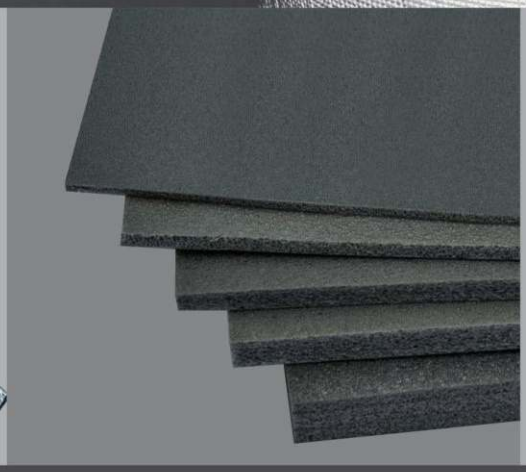
AEROLAM XLPE as duct insulation is specially designed for HVAC segment and for applications in Textile and Building industry, for thermal & acoustic insulation. AEROLAM XLPE conforms to Class 1 for Surface Spread of Flame Characteristics and Class 'O' for Fire Propagation, is dust and fiber free and user friendly.

AEROLAM XLPE is manufactured using World Class Manufacturing equipments with machineries & setup capable of manufacturing products in line with international norms. Highest quality Raw Materials, Practices and Quality Management System ensures AEROLAM XLPE to deliver the best quality end -product.



AEROLAM XLPE APPLICATION AREAS : HVAC DUCT INSULATION | UN

AEROLAM XLPE ROLLS & SHEETS

THICKNESS

3 mm | 6 mm | 9 mm | 13 mm | 15 mm | 19 mm
25 mm | 30 mm | 35 mm | 40 mm | 50 mm

DENSITY : 30kg/m^3 ± 3 | **WIDTH** 1.2 M | **COLOUR :** Grey

COLOUR OPTIONS AVAILABLE ON
SPECIAL ORDER AND MINIMUM QUANTITY ONLY

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SALIENT FEATURES

- NEGLIGIBLE WATER/MOISTURE ABSORPTION (>90 % CLOSED CELL)
- EXCELLENT THERMAL & ACOUSTIC INSULATION
- RESISTANCE TO FUNGI & BACTERIA
- CHEMICALLY UNREACTIVE
- WIDE OPERATING TEMPERATURE RANGE FROM -40^0 C TO +115^0 C
- STABLE K VALUE
- MAINTENANCE FREE
- FIBRE FREE & DUST FREE
- FLEXIBLE & EASY TO INSTALL

DERDECK INSULATION | ACOUSTIC FLOORING INSULATION | PIPE INSULATION ETC.

AEROLAM XLPE PIPE INSULATION

THICKNESS (INCH)

MS PIPE

1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 5", 6", 8", 10"

COPPER TUBE

1/4", 3/8", 1/2" ,5/8", 3/4",7/8",1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4", 1-7/8", 2", 2-1/8", 2-1/4", 2-3/8", 2-1/2", 2-5/8", 27/8", 3", 31/8", 3.1/8, 3.1/4, 3.1/2, 3.5/8, 3.7/8, 4", 4-1/8", 4-1/2", 5-1/8," 5-1/2"

TECHNICAL SPECIFICATIONS

PARAMETER	AEROLAM XLPE SPECIFICATION
Material (ASTM C 1427)	Chemically Cross Linked Closed Cell Polyethylene Foam Insulation
Temperature Range	- 40° C to +115° C
Nominal Density	30 ± 3 Kg/m^3
Thermal Conductivity	Mean Temperature (°C) / W/m °K / Kcal/hr m (°C) 0 / 0.0318 / 0.0273 23 / 0.0329 / 0.0283 46 / 0.0382 / 0.0328
Water Vapour Resistance Factor (μ) (MEW) - (DIN 52615)	Moisture Resistance Factor (μ) > 9000 (for plain foam) > 14000 (for Al foil faced foam)
Fire Characteristics (BS 476 Part 7 and 6)	a) Surface Spread of Flame : Class 1 As per BS 476 Part 7 b) Fire Propagation : Class 'O' As per BS 476 Part 6
Reaction to Fire	Self Extinguishing, Non-toxic Ozone: Very Good
Dimensional Stability: BS 4370 Part 1	Change in dimensions at - 20 °C for 4 hrs :<0.5% and at 110 °C for 4 hrs :< 0.5%
Limiting Oxygen Index: ASTM D 2863	24%
Compression Strength @ 25%: ASTM D 3575	0.44 Kgf/cm2
Resistance to Chemical: ASTM C 543	No characteristic change observed
Tensile Strength @ 50 mm / min: ASTM D 3575	2.51 Kgf/cm2
Elongation at Break: ASTM D 3575	133.20%
Fungal Resistance: ASTM G21	No growth observed
Volume %-age of closed cells: ASTM D 6226 Part 2	> 90%
Sound Transmission Class for 9 mm foam with 12 mm Gypsum board: ASTM E 413 / ISO 140	40 dB
Water Absorption: ASTM C 209 / ASTM 1763	<0.2%
Water Vapour Permeance: ASTM E96	0.15 ng/pas.m
Health & Safety Aspects	CFC / HCFC Free; Dust and Fibre free, VOC / SVOC Free
Emission of Volatile Organic Compound (VOC)	Negligible
Applications	HVAC, Textile & Building Industry

Aerolam Insulation Pvt. Ltd. has been established with a long term focus and an aspiration of rising in the ladder of the top companies involved in the manufacturing and marketing of Reflective Insulation Material. Following is a brief overview about the aspirations and objectives of the company.

INDIA'S FIRST MANUFACTURER OF DOUBLE BUBBLE INSULATION MATERIAL

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