



SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

Your Energy Saving Partner



Chemically Crosslinked Closed Cell Polyethylene Insulation XLPE (Tube & Sheet) :

It is chemically cross linked closed cell fire retardant polyethylene foam used for duct insulation, chilled water and hot water applications, over deck/under deck insulation, Floor Insulation and wall Insulation.

Characteristics:

Density in (Kg/M3)	30 +/- 3
Cell structure	Closed Cell
Thickness	6,9,13,19,25,32 (Tubes and Sheet)
Pipe Diameter	¼" to 4" (6 mm to 100 mm)
Dimensions	1.25 Mt W (varies from 10 Mts to 30 Mts)
Temperature Range	- 40 Deg C to 115 Deg C
Thermal Conductivity	0.032 / 0.034/ 0.038 W/mk
Resistance to Chemical, Ozone and UV weather	Good / Excellent
Assessment of horizontal burning Characteristics	0.72
Fire retardant test a)Flammability Class-S4 b) Smoke density Class SR2 c)Dropping Class ST2	Self Extinguishing Passed Non Dripping
Smoke Density test	Passed
Horizontal Flammability test for Classifying material 94 HBF	Passed
Horizontal Flammability test for Paramount FR XPE	Passed
Fire Rating (Surface Spread of Flame-plain material)	Class-I
Fire Rating (Fire Propagation index)- Laminated with pure Aluminum foil on one side	Class-O
Oxygen Index	27.7%
Insulation without Aluminum foil specific permeability	Negligible
Insulation without Aluminum foil Water vapor permeability	Negligible



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Thermal Stability

Flexible

Application :

- Duct Insulation
- Chilled Water & hot water Application
- Floor & Wall Insulation
- Underdeck / over deck & Roof Insulation
- Floor Insulation
- Wall Insulation

Advantages:

- 100% Closed cell Insulation
- Very low water absorption
- Low K Value
- Fire Retardant
- It is an excellent insulation material with good thermal properties
- Temperature range between -40°C to +115°C.
- It is non sensitive to vapour and offers excellent resistance to chemicals, insects, bacteria and rodents.
- Thin and flexible material, hence easy to cut and apply.