



ASHA INDIA

Insulation, solar and Export Excellence



# Fire Retardant XPE Foam

For duct, chilled water, hot water, over deck, under deck, floor and wall insulation

XPE is a chemically crosslinked closed cell fire retardant polyethylene insulation foam that offers thermal insulation, moisture resistance and sound absorption. It has a smooth surface, great shock absorption and chemical resistivity.

FR-XPE is extensively used for duct insulation, chilled water and hot water applications, over deck/under deck insulation, floor insulation and wall insulation. It is ideal for both cold and warm conditions ranging between -40° C to +115° C.

## SALIENT FEATURES OF PARAMOUNT FR - XPE

- FR-XPE is non-sensitive to vapor and offers excellent resistance to chemicals, insects, bacteria and rodents.
- It is an Ultra-thin and flexible material that can be very easily cut into pieces by scissors or knife.
- Absolutely environment-friendly product and UV resistant.
- It has excellent life-long thermal performance, high compressive strength, closed cell structure, and no water absorption.



Resistant Vapor Barrier



Sound Absorption



Environment Friendly



100% Mold & Mildew Proof



Impact Resistant

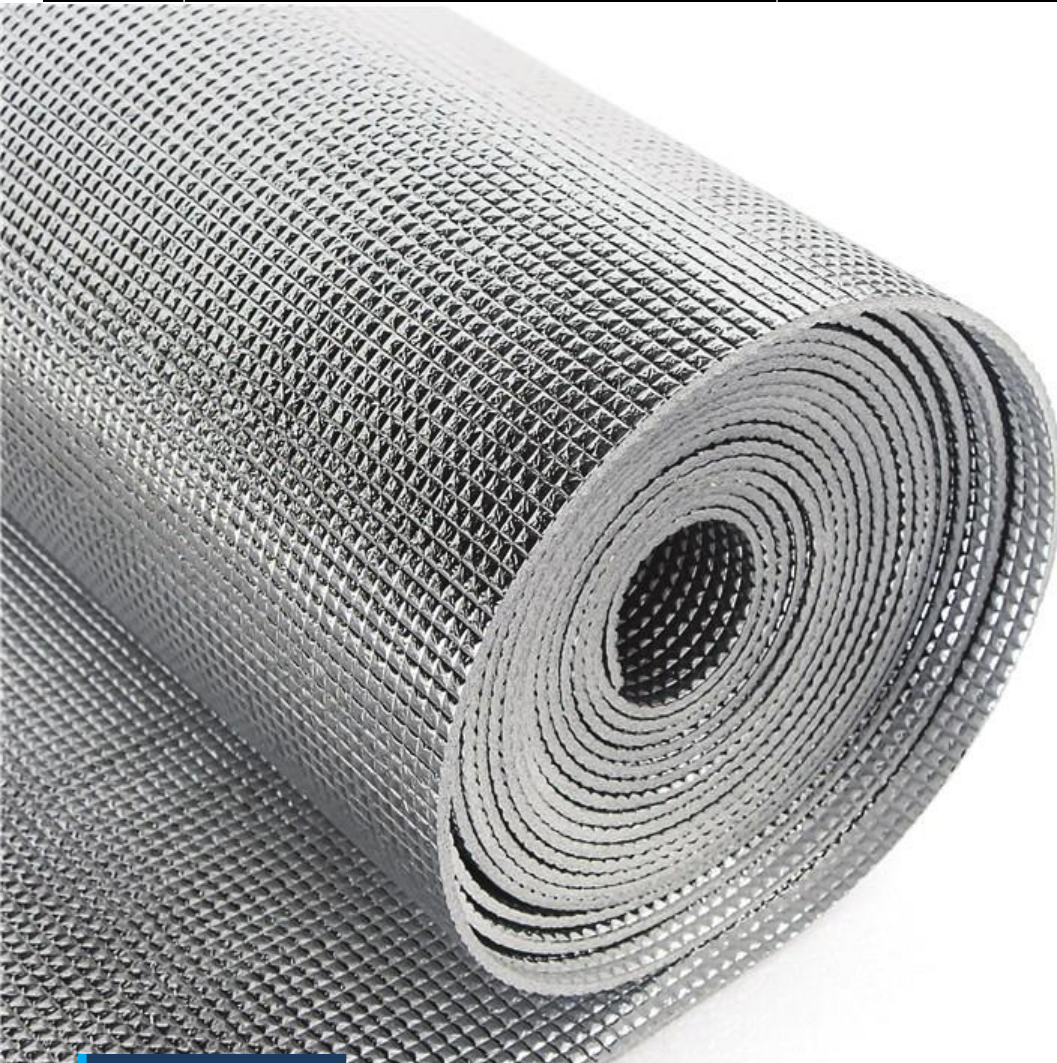


ASHA INDIA

Insulation, solar and Export Excellence

## TECHINICAL DETAILS

S.No.	Properties	Standard	Technical Details
1.	Density kg/cum Cell Structure Colour	JIS K 6767	30 ± 3 Kg/ M3 Closed cell Light Grey & also available in various customized colours
2.	Services Temperature Range	Using Climate Chamber	-40 to 115° C
3.	Ozone / UV & Weather / Chemical Resistance		Good / Excellent
4.	Thermal Conductivity at 0 / 23/ 46 deg C	IS 3346/1980	0.032 /0.034 /0.038 W/m °k
5.	Fire Retardant Test a) Flammability Class-S4 b) Smoke density Class SR2 c) Dropping Class ST2	DIN-5510 (pt-2), 54837	Self-extinguishing  Passed Non-Drippin
6.	Smoke density test	ASTM D 2843-99	Passed
7.	Heavy metals for ROHS (Pollution)	Directive 2002/95/EC	Passed
8.	Horizontal Flammability test for Paramount FR XPE	IS 15061-02	Passed
9.	Fire Rating (Surface Spread of Flame- plain material)	BS 476 Part 7	Class-1
10.	Fire Rating (Fire Propagation Index) – laminated with pure aluminium foil on one side	BS 476 Part 6	Class-0
11.	Oxygen Index	ASTM D 2863	27.7 %
12.	Insulation without aluminium foil Specific Permeability	ASTM D -1653	Negligible



Thermal Insulation




Acoustic Insulation



Energy Efficient

VISIT OUR WEBSITE

 [www.ashaindiaent.com](http://www.ashaindiaent.com)

 +91 9780771177 / 8983728272

 [info@ashaindiaent.com](mailto:info@ashaindiaent.com)