

ALAMDAR PIR PIPE INSULATION

Alamdar Vapotherm Pipes are produced from Rigid Polyisocyanurate Block foam. The Pipe sections are curved out in machines.

Any Diameter standard or not standard can be produced with or Without Aluminium Jacket. These Pipes Insulation Sections are manufactured according to B₂ German standards. ASTM, BS, ISO, SASO, ... Others.

Density:

32 - 60 KG / M³ (Maximum 80 Kg /M³)

32-35 KG/M³ (Optimum and most used).

Corrosion: Does not corrode or even promote corrosion on Steel or Copper piping

Fire Rating: - ASTM 1692 Self Extinguishing

- E- 84 (With Specified Limit)

Using: Used in wide range of Cooling, Chilling, Heating and Plumbing work with Optimum Service Temperature ranging from -200°C To 150°C. (wider range)

BIOLOGICAL DETAILS:



This Data may be changed improved or modified by ALAMDAR VAPOTHERM, in accordance with the client's requirements, availability of raw material, without advance notice.

Pipes: In sections of various diameters with or without reinforced aluminum jackets

Dimensions	Test Method	SI Unit	SI Unit	SI Unit
Dia = ½" to 60"				
Normal Density	ASTM D 1622	32-35 KG/M ³	40-45 KG/M ³	60-70 KG/M ³
Compressive Strength 10% Deformation	ASTM D 1621	1.6-2.0 KPA 160-200 KN/M ²	2.2-3.5 KPA 220-300 KN/M ²	4.0-4.2 KPA 400-420 KN/M ²
Thermal Conductivity At 24°C Mean Test Temperature.	ASTM C 518 ASTM C 591-22	0.022 – 0.024 W/m. K (Slightly better)		
1. 6 Months Aged		1. 0.017 W/M° C	1. 0.017 W/M° C	1. 0.019 W/M° C
2. 10 Years Aged		2. 0.022 W/M° C	2. 0.022 W/M° C	2. 0.026 W/M° C
Tensile Strength	ASTM D 1623	1.50-2.00 KPA	1.50-2.00 KPA	2.00-7.00 KPA
Closed Cell Content	ASTM D 2856	92% - 95%	92% - 95%	92% - 95%
Fire Test	ASTM D 1692 ASTM E 84 Din 4102	Improved fire resistance, chars instead of burning	Improved fire resistance, chars instead of burning	Improved fire resistance, chars instead of burning
Working Temperature	1. For Prolonged Period 2. For Short Period	-200°C to 150°C (Wider Range) 220°C	-200°C to 150°C (Wider Range) 220°C	-200°C to 150°C (Wider Range) 220°C
Dimensional Stability at 70°C 7 Days	ASTM D 2126	Less than 1% Linear Change	Less than 1% Linear Change	Less than 1% Linear Change
Biological and Chemical Resistance	Alamdar Pipes are unaffected by moulds. Fungus and vermin and it are resistant to most oils, greases, solvent, dilute acids and alkalines.			