

# Flexible Insulation Pipe

## 保温管



### FEATURES:

Closed-cell flexible elastomeric foam insulation tubes are designed for use on HVAC/R and industrial process piping and equipment. Insulation pipes has a low thermal conductivity and is highly vapor resistant.

- \* Environmentally friendly
- \* Easy installation, flexible
- \* 4 wall thickness: 3/8", 1/2", 3/4" and 1"
- \* Sizes range from 1/4" I.D. to 3-1/2" I.D.

### Thickness Recommendations - To Control Condensation

Pipe Size	Line Temp. 10 °C (50 °F)	Line Temp. 2 °C (35 °F)	Line Temp. -18 °C (0 °F)	Line Temp. -29 °C (-20 °F)
<b>Normal Conditions (Max 29 °C (85 °F) – 70% R.H.)</b>				
3/8" I.D. thru 1-3/8" I.D.	3/8" (10 mm)	1/2" (13 mm)	3/4" (19 mm)	1" (25 mm)
Over 1-3/8" I.D. thru 3" I.D.	3/8" (10 mm)	1/2" (13 mm)	1" (25 mm)	1" (25 mm)
Over 3" I.D. thru 4" I.D.	1/2" (13 mm)	1/2" (13 mm)	1" (25 mm)	1-1/2" (38 mm)
Over 4" I.D.	1/2" (13 mm)	3/4" (19 mm)	1" (25 mm)	1-1/2" (38 mm)
<b>Mild Conditions (Max 26 °C (80 °F) – 50% R.H.)</b>				
3/8" I.D. thru 2-1/8" I.D.	3/8" (10 mm)	3/8" (10 mm)	1/2" (13 mm)	1/2" (13 mm)
Over 2-1/8" I.D. thru 3" I.D.	3/8" (10 mm)	3/8" (10 mm)	1/2" (13 mm)	3/4" (19 mm)
Over 3" I.D. thru 4" I.D.	1/2" (13 mm)	1/2" (13 mm)	3/4" (19 mm)	3/4" (19 mm)
Over 4" I.D.	1/2" (13 mm)	1/2" (13 mm)	3/4" (19 mm)	3/4" (19 mm)
<b>Severe Conditions (Max 32 °C (90 °F) – 80% R.H.)</b>				
3/8" I.D. thru 1-1/8" I.D.	3/4" (19 mm)	3/4" (19 mm)	1-1/2" (38 mm)	1-1/2" (38 mm)
Over 1-1/8" I.D. thru 4" I.D.	3/4" (19 mm)	1" (25 mm)	1-1/2" (38 mm)	1-1/2" (38 mm)
Over 4" I.D.	3/4" (19 mm)	1" (25 mm)	1-3/4" (44 mm)	2" (50 mm)

### Q'ty per Carton Box for Pipe 1.83m (6 ft.)

Inner Diameter	1/4" Wall (6 mm)	3/8" Wall (9 mm)	1/2" Wall (13 mm)	3/4" Wall (19 mm)	1" Wall (25 mm)
1/4" (6 mm)	250	168	100	48	30
3/8" (10 mm)	200	120	90	36	30
1/2" (13 mm)	168	100	72	30	24
5/8" (16 mm)	133	90	63	30	20
3/4" (19 mm)	113	72	56	25	20
7/8" (22 mm)	80	65	42	24	18
1" (25 mm)	70	49	42	20	16
1-1/8" (28 mm)	60	49	36	20	16
1-1/4" (32 mm)	55	42	30	20	15
1-3/8" (35 mm)	50	36	30	16	12
1-1/2" (38 mm)	-	34	30	16	12
1-5/8" (42 mm)	-	30	25	16	12
1-7/8" (48 mm)	-	28	20	15	10
2" (51 mm)	-	24	20	12	9
2-1/8" (54 mm)	-	20	18	12	9
2-1/4" (57 mm)	-	20	18	12	9
2-3/8" (60 mm)	-	20	15	10	9
2-5/8" (67 mm)	-	18	13	9	8
2-7/8" (73 mm)	-	18	13	9	8
3" (76 mm)	-	18	12	8	8
3-1/8" (79 mm)	-	15	12	8	6
3-1/2" (89 mm)	-	15	12	6	6

### Physical Properties

Item	Value	Standard
Surface Density	40 – 80 kg/m <sup>3</sup>	GB/T6343
Thermal Conductivity	-20 °C ≤ 0.030 W / mK 0 °C ≤ 0.032 W / mK +40 °C ≤ 0.037 W / mK	GB/T10294
Water Vapor Permeability	≤ 1.3 x 10 <sup>-11</sup> g / (m-s-Pa)	GB/T17146
Water Absorption	≤ 6 %	GB/T17794
Dimensional Stability	≤ 10 % (@ 105 °C)	GB/T8811
Smoke Toxicity	ZA3 safety class	GB/T20285
Rebound rate after Compression	≥ 70 % (compression rate 50 %, 72 hr.)	GB/T6669
Temperature Range	-50 °C to +110 °C	GB/T17794