



HiTHERM PIR300 25/50
 INSULATION THICKNESS (inches) TABLE
 TO PREVENT CONDENSATION **OUTDOORS**

Ambient temperature = 80°F Outer surface = Aluminum Jacketing Emissivity = 0.1
 Ambient relative humidity = 80% Wind Velocity = 8 mph
 Dewpoint = 73.3°F Geometry = Horizontal pipe

Nom Pipe Size (in)	SERVICE TEMPERATURE °F														
	-300	-250	-200	-150	-100	-80	-60	-50	-40	-30	-20	-10	0	+10	+20
0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0.75	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1	1	1
1.25	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
2.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
3	2	2	1.5	1.5	1.5	1	1	1	1	1	1	1	1	1	1
4	2	2	2	1.5	1.5	1	1	1	1	1	1	1	1	1	1
5	2	2	2	2	1.5	1.5	1	1	1	1	1	1	1	1	1
6	2.5	2.5	2	2	1.5	1.5	1.5	1	1	1	1	1	1	1	1
8	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1
10	2.5	2.5	2.5	2	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1
12	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1
14	3	3	2.5	2.5	2	2	1.5	1.5	1.5	1.5	1	1	1	1	1
16	3	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1	1
18	3	3	3	2.5	2	2	2	1.5	1.5	1.5	1.5	1	1	1	1
20	3.5	3.5	3	2.5	2	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1
24	3.5	3.5	3	3	2.5	2	2	1.5	1.5	1.5	1.5	1.5	1	1	1
30	3.5	3.5	3.5	3	2.5	2	2	2	1.5	1.5	1.5	1.5	1.5	1	1
36	4	4	3.5	3	2.5	2.5	2	2	2	1.5	1.5	1.5	1.5	1	1
48	4	4	4	3.5	3	2.5	2	2	2	2	1.5	1.5	1.5	1.5	1.5

*Thicknesses calculated are based on the ambient conditions stated above. This table does not imply or designate correct thicknesses for every condition, nor does it take fragility and matters of safety into account when determining thicknesses.