

RUBBER PIPE INSULATION

- Closed cell flexible elastomeric foam insulation tubes
- Seamless - Non-Slit for slide-on applications
- Self-Sealing - Pre-Slit & Pre-Glued for retrofit applications (Available with Overlap Tape, excluding 3/8" Wall)
- For use on HVAC/R, commercial, and industrial process piping and equipment
- For most indoor applications, no additional jacketing is required
- High resistance to moisture vapor intrusion; low thermal conductivity
- CARTON QUANTITIES ONLY

RUBBER PIPE INSULATION TECHNICAL DATA

Physical properties		Rubber Pipe Ins		Test methods
Thermal Conductivity (K)	90°F (32°C) Mean Temp	0.258 (0.0372)		ASTM C 177
BTU - in/hr - Ft ² - °F (W/mK)	75°F (24°C) Mean Temp	0.245 (0.0353)		
	32°F (0°C) Mean Temp	0.235 (0.0339)		
Density		3-6 lb/ft ³		ASTM D 1667
Operating Temperature Range		-297°F* (-183°C) to +220°F (+104°C)**		ASTM C534
Water Vapor Permeability (Dry Cup)		<0.01 perm-in		ASTM E96
Water Absorption (Volume Change)		0%		ASTM C209
Flame Spread / Smoke Development (up to 2" wall)		<25/50		ASTM E84
Dimensional Stability		<7% Linear Shrinkage		ASTM C534
Hot Surface Performance (250°F for 96 hours)		No Cracking or Delamination		ASTM C411
Ozone Resistance		Pass		ASTM D1171
Odor Emissions		No Objectionable Odor		ASTM C1304
Chemical/Solvent/Oil/Grease Resistance		Good		Compatibility Data Available on Request
Flexibility		Excellent Pass: Cold Crack Test at -40°F (-40°C)		ASTM C534 ASTM D1056
Mildew Growth Resistance/Air Erosion		Pass		UL 181, ASTM G21
Corrosion Risk		pH neutral: 6.6±0.04		DIN 1988
Leachable Chlorides		<0.05% water-soluble chloride ions		DIN 1988
UV / Weather Resistance ¹		Pass		QUV Chamber Test
Sound Transmission Class (1")		13		ASTM E90

*For applications below -40°F (-40°C), contact technical support.
**Intermittent temperature "spikes" to 250°F (121°C)
¹ Outdoor applications should be protected with an approved coating or cladding.

RUBBER PIPE INSULATION THICKNESS RECOMMENDATIONS - TO PREVENT CONDENSATION

SERVICE TEMPERATURE	50°F (10°C)			35°F (2°C)			0°F (-18°C)			-20°F (-29°C)		
	Mild	Normal	Severe	Mild	Normal	Severe	Mild	Normal	Severe	Mild	Normal	Severe
1/4" ID to 1-1/8" ID	3/8"	3/8"	3/4"	3/8"	1/2"	3/4"	1/2"	3/4"	1-1/2"	1/2"	1"	1-1/2"
1-3/8" ID to 3" IPS	3/8"	3/8"	3/4"	3/8"	3/4"	1"	1/2"	1"	1-1/2"	3/4"	1-1/2"	1-1/2"
4" IPS to 8" IPS	1/2"	1/2"	3/4"	1/2"	3/4"	1"	3/4"	1"	2"	3/4"	1-1/2"	2"

Thickness listed for the specified ranges will prevent condensation on indoor piping under the defined design conditions. Normal: 85°F and 70% R.H. Mild: Most air conditioned spaces and arid climates: 80°F and 50% R.H. Severe: Areas where excessive moisture is introduced or in poorly ventilated areas where the temperature may be depressed below the ambient: 90°F and 80% R.H.

RUBBER PIPE INSULATION PIPE "R" VALUES PER SQUARE FOOT (ALL SIZES ARE NOMINAL)

Nominal insulation I.D.	3/8" WALL	1/2" WALL	3/4" WALL	1" WALL	1-1/2" WALL	2" WALL
1/4"	2.9	4.2	6.4	10.1	17.9	23.0
3/8"	2.7	3.6	5.6	8.5	14.6	20.4
1/2"	2.5	3.4	5.4	7.9	13.5	18.9
5/8"	2.5	3.3	5.4	7.5	12.8	17.8
3/4"	2.3	3.1	5.4	7.5	12.4	16.8
7/8"	2.3	3.2	5.4	7.2	11.6	16.1
1-1/8"	2.2	3.1	5.5	7.1	10.8	15.8
1-3/8"	2.2	3.2	5.3	7.2	10.2	14.9
1-5/8"	2.4	3.1	5.1	7.1	9.8	14.6
1-1/2" IPS	2.0	2.6	4.4	6.2	9.9	13.8
2-1/8"	2.3	3.0	4.9	6.6	9.2	13.6
2" IPS	2.3	2.9	4.8	6.5	9.0	13.3
2-1/2" IPS	2.3	3.0	4.6	6.3	8.6	12.6
2-5/8"	2.3	3.1	4.7	6.4	8.8	12.9
3-1/8"	2.3	3.0	4.6	6.2	8.5	12.4
3" IPS	2.3	3.2	4.6	6.1	8.3	12.2
3-5/8"	2.3	3.2	4.6	6.1	8.3	12.1
4-1/8"	2.3	3.1	4.6	6.0	8.1	11.7
4" IPS	2.2	3.2	4.6	5.5	8.0	11.6
5" IPS	-	3.0	4.5	5.7	7.7	11.1
6" IPS	-	3.0	4.4	5.6	7.5	10.9
8" IPS	-	2.9	4.2	5.3	7.2	-



SPECIFICATION COMPLIANCE

- ▶ ASTM C534 Type 1, Grade 1
- ▶ ASTM D1056-00-2B1
- ▶ New York City MEA 186-86-M Vol. V
- ▶ USDA Compliant
- ▶ CFIA Compliant
- ▶ RoHS Compliant
- ▶ UL 94-5V Flammability Classification (#E300774)
- ▶ ASTM E84 25/50-rated (to 2") - tested to UL 723, NFPA 255 and CAN/ULC S102-03
- ▶ FMVSS 302
- ▶ FAR 25.853
- ▶ FMRC Approval Guide: Chapter 14 Pipe Insulation
- ▶ NFPA No. 101 Class A Rating
- ▶ NFPA 90A, 90B
- ▶ MIL-P-15280, Form T
- ▶ Meets requirements of California EOB Title 24
- ▶ UL GREENGUARD® Gold Certified
- ▶ Meets energy code requirements of ASHRAE 90.1 and 189.1

