

FLEXCRAFT®

PE FOAM

RUBBER

PIPE INSULATION



GREENGUARD



**MADE IN
NORTH AMERICA**

PE FOAM PIPE INSULATION Seamless & Self-Seal

- Flexible & Lightweight
- Environmentally Friendly
- Durable Skin Resists Tearing

GENERAL INSTALLATION

INSTALLATION:

The installation of FLEXCRAFT® PE Foam Insulation demands adherence to specific technical parameters for optimal performance. Product boasts flexibility, even in low-temperature environments, while demonstrating outstanding durability. Its resilient skin resists tearing from handling and environmental conditions. It's lightweight properties and smooth inner surface contributes to an efficient installation process. **For comprehensive installation guidance, and to ensure a successful and compliant installation, consult the resources of ASTM C 1710, Installation Guide for Flexible Closed Cell Foams, and the FLEXCRAFT® PE Foam Installation Manual.**

RESISTANCE TO MOISTURE VAPOR:

Due to its closed cell structure and unique formulation, FLEXCRAFT® PE Foam Insulation inherently exhibits resistance to moisture vapor intrusion. In most indoor applications, product demonstrates sufficient resistance, rendering additional protection unnecessary. However, when utilized in cold systems within high humidity environments, additional vapor barrier protection may be warranted. This supplementary measure ensures optimal performance and longevity in such conditions.

PRODUCT MATERIAL

FLEXCRAFT® PE Foam Insulation is a polyethylene-based closed-cell foam insulation, conforming to ASTM C1427 standards. This eco-friendly solution sets itself apart through its absence of CFC's, HFC's, HCFC's, PBDE's, formaldehyde, and fibers, thereby ensuring optimal ecological compatibility. FLEXCRAFT® PE Foam Insulation is a halogen-free insulation system, providing unparalleled thermal, physical, and chemical resistance properties. It possesses impressively low thermal conductivity, coupled with minimal water absorption and exceptional water vapor permeability values, Manufactured within a North American ISO 90001: 2008-certified facility.

USAGE AND APPLICATION

Recommended as thermal insulation solution for diverse residential, commercial & industrial applications. mitigates heat gain / loss while preventing condensation in below-ambient scenarios, such as cold-water plumbing, chilled water systems, and industrial process lines. Retards heat loss in medium and hot temperature systems including hot water plumbing. Additionally, it offers the valuable advantage of extending the amount of time it takes for pipes to freeze. Services temperatures from -200°F (-129°C) to +200°F (93°C).

OUTDOOR APPLICATION:

FLEXCRAFT® demonstrates superior versatility, making it suitable for both indoor and outdoor applications. However, when utilized in outdoor settings, specific considerations and measures must be observed to ensure optimal performance. For instances where product is exposed to UV radiation, **such as rooftop applications, it is imperative to protect the insulation with an approved coating or jacket.**

This protective layer serves to shield the material from the potentially detrimental effects of UV exposure, safeguarding its structural integrity and insulating properties. During the installation of outdoor insulation, strict adherence to all relevant state and local code requirements is required. Where allowed, the application of coatings or jackets to insulation should be performed immediately after installation. This rapid implementation minimizes the risk of melting, which can result from concentrated light exposure near reflective surfaces. By promptly applying these protective layers, potential issues related to intense heat can be effectively mitigated.

UNDERGROUND APPLICATION:

In buried applications, FLEXCRAFT® PE Foam Insulation is a reliable choice when installed above the water table. However, when lines are positioned below the water table, a conduit encasement is required. This protective measure shields the insulation from potential issues arising due to ground water intrusion and compaction, ensuring the longevity and effectiveness of the system.

FIRE RESISTANCE:

FLEXCRAFT® fire-resistant properties, in wall thicknesses of 1" (25mm) and below is per ASTM E84, material achieves a flame spread rating of 25 or lower and a smoke development rating of 50 or lower. It is essential to recognize that while numerical flammability ratings offer valuable insights into the material's fire behavior, they might not entirely reflect its performance under actual fire conditions. When considering fire protection for specific applications, additional factors and testing procedures should be considered to ensure adequate fire safety measures.

SPECIFICATION & COMPLIANCE

- UL 94 HF-1 Flammability Classification (#E300774)
- UL Greenguard Gold Certified (#116441-420)
- ASTM C1427 Type I Pipe, Type II Sheet
(Specification for Extruded Preformed Flexible Cellular Polyolefin Thermal Insulation in Sheet and Tubular Form.)
- ASTM E84 25/50- rated (to 1- 1/2") - tested to UL 723, NFPA 255, CAN/ULC S102.2-18
- ASHRAE 90.1 Energy Standard
- International Mechanical Code (IMC)
- International Energy Conservation Code (IECC)
- International Residential Code (IRC)
- Halogen Free, non dusting & fiber free



PE FOAM PIPE INSULATION

NOTE: SOLD AND PRICED BY CARTONS ONLY
PO's should be placed by carton quantities

Semi-Slit Pipe Insulation 6' Lengths sold by Cartons

PART #	INSULATIONS	PIPE CTS	PIPE IPS	QTY PER CARTON	
				PIECES	FEET
3/8" WALL THICKNESS					
FSM38058	5/8" ID x 3/8" Wall	1/2"	3/8"	66	396'
FSM38034	3/4" ID x 3/8" Wall	5/8"	1/2"	50	300'
FSM38078	7/8" ID x 3/8" Wall	3/4"	-	46	276'
FSM38118	1-1/8" ID x 3/8" Wall	1"	-	37	222'
FSM38138	1-3/8" ID x 3/8" Wall	1-1/4"	1"	30	180'
FSM38158	1-5/8" ID x 3/8" Wall	1-1/2"	1-1/4"	23	138'
FSM38200	2" ID x 3/8" Wall	-	1-1/2"	21	126'
FSM38218	2-1/8" ID x 3/8" Wall	2"	-	16	96'
FSM38258	2-5/8" ID x 3/8" Wall	2-1/2"	-	12	72'
1/2" WALL THICKNESS					
FSM12058	5/8" ID x 1/2" Wall	1/2"	3/8"	50	300'
FSM12078	7/8" ID x 1/2" Wall	3/4"	-	40	240'
FSM12118	1-1/8" ID x 1/2" Wall	1"	-	31	186'
FSM12138	1-3/8" ID x 1/2" Wall	1-1/4"	1"	25	150'
FSM12158	1-5/8" ID x 1/2" Wall	1-1/2"	1-1/4"	20	120'
FSM12200	2" ID x 1/2" Wall	-	1-1/2"	17	102'
FSM12218	2-1/8" ID x 1/2" Wall	2"	-	14	84'
FSM12238	2-3/8" ID x 1/2" Wall	-	2"	12	72'
FSM12258	2-5/8" ID x 1/2" Wall	2-1/2"	-	10	60'
FSM12358	3-5/8" ID x 1/2" Wall	3-1/2"	-	6	36'
3/4" WALL THICKNESS					
FSM34012	1/2" ID x 3/4" Wall	3/8"	1/4"	35	210'
FSM34058	5/8" ID x 3/4" Wall	1/2"	3/8"	30	180'
FSM34034	3/4" ID x 3/4" Wall	5/8"	1/2"	27	162'
FSM34078	7/8" ID x 3/4" Wall	3/4"	-	25	150'
FSM34118	1-1/8" ID x 3/4" Wall	1"	-	20	120'
FSM34138	1-3/8" ID x 3/4" Wall	1-1/4"	1"	16	96'
FSM34158	1-5/8" ID x 3/4" Wall	1-1/2"	1-1/4"	14	84'
FSM34200	2" ID x 3/4" Wall	-	1-1/2"	11	66'
FSM34218	2-1/8" ID x 3/4" Wall	2"	-	9	54'
FSM34258	2-5/8" ID x 3/4" Wall	2-1/2"	-	8	48'
1" WALL THICKNESS					
FSM10058	5/8" ID x 1" Wall	1/2"	3/8"	20	120'
FSM10034	3/4" ID x 1" Wall	5/8"	1/2"	20	120'
FSM10078	7/8" ID x 1" Wall	3/4"	-	16	96'
FSM10118	1-1/8" ID x 1" Wall	1"	-	14	84'
FSM10138	1-3/8" ID x 1" Wall	1-1/4"	1"	12	72'
FSM10158	1-5/8" ID x 1" Wall	1-1/2"	1-1/4"	10	60'
FSM10200	2" ID x 1" Wall	-	1-1/2"	9	54'
FSM10218	2-1/8" ID x 1" Wall	2"	-	9	54'

Self-Sealing Pipe Insulation 6' Lengths sold by Cartons

PART #	DESCRIPTION	PIPE CTS	PIPE IPS	QTY PER CARTON	
				PIECES	FEET
3/8" WALL THICKNESS					
FLK38058	5/8" ID x 3/8" Wall	1/2"	3/8"	66	396'
FLK38034	3/4" ID x 3/8" Wall	5/8"	1/2"	50	300'
FLK38078	7/8" ID x 3/8" Wall	3/4"	-	46	276'
FLK38118	1-1/8" ID x 3/8" Wall	1"	-	37	222'
FLK38138	1-3/8" ID x 3/8" Wall	1-1/4"	1"	30	180'
FLK38158	1-5/8" ID x 3/8" Wall	1-1/2"	1-1/4"	23	138'
FLK38200	2" ID x 3/8" Wall	-	1-1/2"	21	126'
FLK38218	2-1/8" ID x 3/8" Wall	2"	-	16	96'
FLK38238	2-3/8" ID x 3/8" Wall	-	2"	14	84'
FLK38258	2-5/8" ID x 3/8" Wall	2-1/2"	-	12	72'
FLK38318	3-1/8" ID x 3/8" Wall	3"	-	9	54'
1/2" WALL THICKNESS					
FLK12038	3/8" ID x 1/2" Wall	1/4"	1/8"	69	414'
FLK12012	1/2" ID x 1/2" Wall	3/8"	1/4"	56	336'
FLK12058	5/8" ID x 1/2" Wall	1/2"	3/8"	50	300'
FLK12034	3/4" ID x 1/2" Wall	5/8"	1/2"	44	264'
FLK12078	7/8" ID x 1/2" Wall	3/4"	-	40	-
FLK12100	1" ID x 1/2" Wall	-	3/4"	35	210'
FLK12118	1-1/8" ID x 1/2" Wall	1"	-	31	186'
FLK12138	1-3/8" ID x 1/2" Wall	1-1/4"	1"	25	150'
FLK12158	1-5/8" ID x 1/2" Wall	1-1/2"	1-1/4"	20	120'
FLK12200	2" ID x 1/2" Wall	-	1-1/2"	17	102'
FLK12218	2-1/8" ID x 1/2" Wall	2"	-	14	84'
FLK12238	2-3/8" ID x 1/2" Wall	-	2"	12	72'
FLK12258	2-5/8" ID x 1/2" Wall	2-1/2"	-	10	60'
FLK12318	3-1/8" ID x 1/2" Wall	3"	-	8	48'
FLK12312	3-1/2" ID x 1/2" Wall	-	3"	6	36'
FLK12358	3-5/8" ID x 1/2" Wall	3-1/2"	-	6	36'
FLK12418	4-1/8" ID x 1/2" Wall	4"	-	5	30'
FLK12412	4-1/2" ID x 1/2" Wall	-	4"	4	24'
3/4" WALL THICKNESS					
FLK34058	5/8" ID x 3/4" Wall	1/2"	3/8"	30	180'
FLK34034	3/4" ID x 3/4" Wall	5/8"-	1/2"	27	162'
FLK34078	7/8" ID x 3/4" Wall	3/4"	-	25	150'
FLK34118	1-1/8" ID x 3/4" Wall	1"	-	20	120'
FLK34138	1-3/8" ID x 3/4" Wall	1-1/4"	1"	16	96'
FLK34158	1-5/8" ID x 3/4" Wall	1-1/2"	1-1/4"	14	84'
FLK34200	2" ID x 3/4" Wall	-	1-1/2"	11	66'
FLK34218	2-1/8" ID x 3/4" Wall	2"	-	9	54'
FLK34238	2-3/8" ID x 3/4" Wall	-	2"	9	54'
1" WALL THICKNESS					
FLK10058	5/8" ID x 1" Wall	1/2"	3/8"	20	120'
FLK10034	3/4" ID x 1" Wall	5/8"	1/2"	20	120'
FLK10078	7/8" ID x 1" Wall	3/4"	-	16	96'
FLK10118	1-1/8" ID x 1" Wall	1"	-	14	84'
FLK10138	1-3/8" ID x 1" Wall	1-1/4"	1"	12	72'
FLK10158	1-5/8" ID x 1" Wall	1-1/2"	1-1/4"	10	60'
FLK10200	2" ID x 1" Wall	-	1-1/2"	9	54'
FLK10218	2-1/8" ID x 1" Wall	2"	-	9	54'
FLK10238	2-3/8" ID x 1" Wall	-	2"	7	42'
FLK10258	2-5/8" ID x 1" Wall	2-1/2"	-	6	36'

FLEXCRAFT®

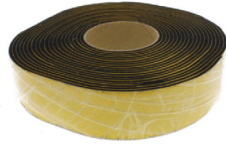
PE PIPE INSULATION



★★★ **MADE IN
NORTH AMERICA**

Insulation Foam Tape

- Pressure sensitive adhesive for applying to hot or cold pipes



PART #	DESCRIPTION	QUANTITY
FLK18-0230	1/8" x 2" x 30' Insulation Tape	12

Insulation Adhesive

- For joining seams of rubber insulation
- Makes a moisture-resistant bond in 3 to 4 min



PART #	DESCRIPTION	QUANTITY
F320-12PTB	1/2 Pint	48
F320-PTB	1 Pint	24

PE FOAM INSTALLATION

Installation recommended on non-operational systems with clean, dry surfaces in ambient conditions between 40°F - 110°F. Slide tubing over pipe, or apply to existing lines using self-seal tubes. All seams, joints, termination points and open ends should be sealed with an approved contact adhesive, making sure both joined surfaces are coated. Lengthwise seams should face downward and vapor stops should be installed as needed. Fittings and special parts can be field fabricated from insulation tubes and sheets.

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
3/8" ID to 1-1/8" ID	3/8"	3/8"	3/4"	3/8"	1/2"	3/4"	1/2"	3/4"	-	1/2"	1"	-
1-3/8" ID to 4-1/2" ID	3/8"	3/8"	3/4"	3/8"	3/4"	1"	1/2"	1"	-	3/4"	-	-

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. Contact FLEXCRAFT Technical Support for additional information.

TECHNICAL DATA

PHYSICAL PROPERTIES		STANDARDS
Nominal Density, pcf	1.5 +/- 0.5	ASTM D1622
Specification	-	ASTM C1427, Type I, Type II
*Upper Use Limit, °F (°C)	200 (93)	ASTM C411
Lower Use Limit, °F (°C)	-200 (-129)	-
Thermal Conductivity, Btu-in./hr-ft² °F (W/(m·K))	0.27 (0.039)	ASTM C177 OR C518
75°F (24°C) Mean Temp	0.28 (0.040)	
100°F (38°C) Mean Temp	0.295 (0.42)	
120°F (49°C) Mean Temp		
Water Vapor Permeability	<0.05	ASTM E96
Water Absorption Max %	<0.20	ASTM C209
Linear Shrinkage at Max Use Temp (200°F)	-1.2%	ASTM C1427
**Flame/Smoke Rating (max)* Up to and including 1-1/2" Thickness	25/50	ASTM E84
VOC Content	<0.22 mg/m³	CDPH Standard Method v 1.2
Microbial Resistance	Excellent	ASTM G21
Fungi Resistance	Excellent	UL 181
Odor Emission	None	ASTM C1304
Corrosion Resistance (Steel, Copper, AL)	None	ASTM C665
Ozone Resistance (50 mPa)	No Cracks	ASTM D1171

"R" VALUES

NOM. INSULATION	COPPER TUBE SIZE (NOM. I.D. PLUMBING)	COPPER TUBE SIZE (O.D. HVAC/R)	IPS NOMI- NAL	3/8"	1/2"	3/4"	1"	1-1/2"
3/8"	1/4"	3/8"	1/8"	2.6	3.5	5.5	8.4	-
1/2"	3/8"	1/2"	1/4"	2.5	3.3	5.2	7.9	-
5/8"	1/2"	5/8"	3/8"	2.9	3.2	5.3	7.4	-
3/4"	5/8"	3/4"	1/2"	2.3	3.0	5.3	7.3	-
7/8"	3/4"	7/8"	-	2.2	3.1	5.3	7.0	-
1"	-	-	3/4"	2.2	3.1	5.2	7.2	-
1-1/8"	1"	1-1/8"	-	2.2	3.0	5.4	6.9	11.30
1-1/4"	1-1/8"	1-1/4"	-	2.2	3.2	5.3	6.8	-
1-3/8"	1-1/4"	1-3/8"	1"	2.1	3.1	5.1	7.2	10.80
1-5/8"	1-1/2"	1-5/8"	1-1/4"	2.4	3.0	5.0	6.9	10.40
2"	-	-	1-1/2"	2.3	2.9	4.8	6.6	-
2-1/8"	2"	2-1/8"	-	2.3	2.9	4.8	6.5	-
2-3/8"	-	-	2"	2.3	2.9	4.7	6.4	-
2-5/8"	2-1/2"	2-5/8"	-	2.2	3.0	4.6	6.2	-
2-7/8"	-	-	2-1/2"	2.2	3.0	4.5	6.1	-
3-1/8"	3"	3-1/8"	-	2.2	3.0	4.5	6.1	-
3-1/2"	-	-	3"	2.3	3.0	4.5	6.0	-
3-5/8"	3-1/2"	3-5/8"	-	2.3	3.1	4.5	6.0	-
4-1/8"	4"	4-1/8"	-	2.2	3.1	4.5	5.8	-
4-1/2"	-	-	4"	2.3	3.1	4.6	5.9	-

* Meets the requirements of NFPA 90A/90B when tested at 250°F (125°C)

** Numerical flammability ratings alone may not define the performance of products under actual fire conditions. They are provided only for the use in the selection of products

CLOSED CELL ELASTOMERIC FOAM RUBBER PIPE INSULATION

Seamless & Self-Seal with DoubleLock Overlap Seal

- Flexible Even at Low Temperatures
- Durable, Non-Fracturing, & Resistant to Tearing
- Safe to Handle Lightweight Material
- Non-Abrasive & Non-Dusting

PRODUCT MATERIAL

Flexcraft Rubber Insulation is an NBR/PVC-based closed cell elastomeric foam insulation, providing an eco-friendly solution, free of harmful pollutants, greenhouse gases and fibers. Physical properties are FM certified to ASTM Standards. Antimicrobial protective agent provides added protection against mold, fungal and bacterial growth. UL GREENGUARD® Gold Certified for low VOC emissions. Manufactured within a North American ISO 9001:2008-certified facility.

PRODUCT USAGE

Used to retard heat gain and prevent condensation or frost formation on below ambient applications, including refrigerant, cold water plumbing, chilled water, and industrial process lines. It also retards heat loss from medium hot systems, including hot water plumbing, liquid heating, dual temperature, and solar thermal piping. Can be used with heat tracing tapes.

APPLICATION & SPECIFICATIONS

For comprehensive installation guidance consult the resources of ASTM C1710, Installation guide for closed cell foams.

Contains a Protective
Antimicrobial Agent

UNDERGROUND APPLICATION:

Flexcraft Rubber Insulation acceptable for use in buried applications. Self-Seal Tubes should have a maximum service temperature of 160°F. For lines above water table, use a clean fill such as sand (3"-5" layer) to protect the insulation before backfilling. For optimum performance, lines should be encased in a conduit to protect from problems associated with ground water intrusion and compaction. If a conduit is not used, the insulation thickness should be increased by one thickness size to compensate for compaction.

RESISTANCE TO MOISTURE VAPOR:

The expanded closed cell structure resists moisture vapor intrusion and is considered a Class 1 vapor retarder per ASHRAE. For most indoor applications, Flexcraft Rubber Insulation needs no additional protection. Additional vapor barrier protection may be necessary when installed on cold surfaces that are exposed to continuous high humidity.

FLAME & SMOKE RATING:

Rubber insulation in wall thicknesses of 2" and below has a flame spread rating of 25 or less and a smoke development rating of 50 or less per ASTM E84 Standards. It is acceptable for duct/plenum applications, meeting NFPA 90A/B requirements.

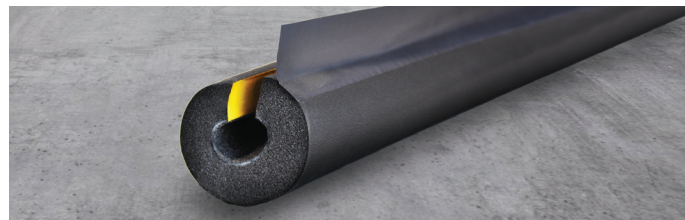
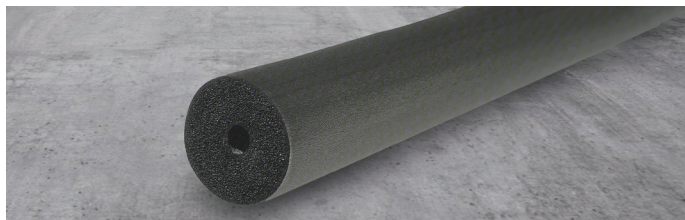
OUTDOOR APPLICATION:

Product is made of UV retardant elastomeric blend. For severe UV exposure such as rooftop applications, or for optimum performance, protective coating is recommended.

SPECIFICATION & COMPLIANCE

- ASTM C534 Type 1, Grade 1
- ASTM D1056-00-2B1
- New York City MEA 186-86-M Vol. V
- USDA, CFIA & RoHS Compliant
- UL 94-5V Flammability Classification (#E300774)
- UL GREENGUARD® Gold Certified
- ASTM E84 25/50-rated (to 2") - tested to UL 723, NFPA 255, CAN/ULC S102-03
- NFPA No. 101 Class A Rating
- NFPA 90A, 90B
- Meets requirements of California ECB Title 24
- Meets requirements of ASHRAE 90.1 & 189.1





SEAMLESS TUBE RUBBER PIPE INSULATION

6' Lengths Sold by Cartons

- Non-Slit for Slide-On Applications
- Closed Cell Flexible Elastomeric Foam Insulation Tubes
- For use on HVAC/R, Commercial and Industrial Process Piping and Equipment

PART #	INSULATIONS	PIPE CTS	PIPE IPS	QTY PER CARTON	
				PIECES	FEET
3/8" WALL THICKNESS					
RSM38038	3/8" ID x 3/8" Wall	1/4"	1/8"	102	612'
RSM38058	5/8" ID x 3/8" Wall	1/2"	3/8"	63	378'
RSM38034	3/4" ID x 3/8" Wall	5/8"	--	57	342'
RSM38078	7/8" ID x 3/8" Wall	3/4"	1/2"	48	288'
RSM38118	1-1/8" ID x 3/8" Wall	1"	3/4"	36	216'
RSM38138	1-3/8" ID x 3/8" Wall	1-1/4"	1"	28	168'
RSM38158	1-5/8" ID x 3/8" Wall	1-1/2"	1-1/4"	25	150'
RSM38218	2-1/8" ID x 3/8" Wall	2"	--	16	96'
RSM38258	2-5/8" ID x 3/8" Wall	2-1/2"	--	12	72'
1/2" WALL THICKNESS					
RSM12058	5/8" ID x 1/2" Wall	1/2"	3/8"	54	324'
RSM12034	3/4" ID x 1/2" Wall	5/8"	--	45	270'
RSM12078	7/8" ID x 1/2" Wall	3/4"	1/2"	38	228'
RSM12118	1-1/8" ID x 1/2" Wall	1"	3/4"	26	156'
RSM12138	1-3/8" ID x 1/2" Wall	1-1/4"	1"	20	120'
RSM12158	1-5/8" ID x 1/2" Wall	1-1/2"	1-1/4"	19	114'
RSM12218	2-1/8" ID x 1/2" Wall	2"	--	17	102'
RSM12312	3-1/2" ID x 1/2" Wall	--	3"	6	36'
3/4" WALL THICKNESS					
RSM34034	3/4" ID x 3/4" Wall	5/8"	--	24	144'
RSM34078	7/8" ID x 3/4" Wall	3/4"	1/2"	21	126'
RSM34118	1-1/8"ID x 3/4" Wall	1"	3/4"	15	90'
1" WALL THICKNESS					
RSM10058	5/8" ID x 1" Wall	1/2"	3/8"	18	108'
RSM10078	7/8" ID x 1" Wall	3/4"	1/2"	15	90'
RSM10118	1-1/8" ID x 1" Wall	1"	3/4"	11	66'

SELF-SEAL RUBBER PIPE INSULATION W/ DoubleLock Overlap Seal

6' Lengths Sold by Cartons

- Self-Seal DoubleLock System w/ Overlap Seal
- Closed Cell Flexible Elastomeric Foam Insulation Tubes
- Designed to save labor costs and reduce the use of adhesives
- Allows for improved working conditions and OSHA compliance
- For use on HVAC/R, Commercial & Industrial Piping Equipment

PART #	DESCRIPTION	PIPE CTS	PIPE IPS	QTY PER CARTON	
				PIECES	FEET
3/8" WALL THICKNESS (No Overlap)					
RLK38058	5/8" ID x 3/8" Wall	1/2"	3/8"	58	348'
RLK38078	7/8" ID x 3/8" Wall	3/4"	1/2"	48	288'
RLK38118	1-1/8" ID x 3/8" Wall	1"	3/4"	36	216'
1/2" WALL THICKNESS					
RLK12058L	5/8" ID x 1/2" Wall	1/2"	3/8"	52	312'
RLK12078L	7/8" ID x 1/2" Wall	3/4"	1/2"	36	216'
RLK12118L	1-1/8" ID x 1/2" Wall	1"	3/4"	25	150'

NOTE: SOLD AND PRICED BY CARTONS ONLY

PO's should be placed by carton quantities

* Please inquire about sizes of rubber pipe insulation. Produced with added production time & subject to minimum order requirements.

INSTALLATION

Flexcraft recommends that insulation is installed on non-operational systems with clean, dry surfaces in ambient conditions between 40°F - 100°F. For Seamless tubes Installation: Slide tubing over piping (tubing should be pushed, not pulled) or, when applied to existing lines, can be slit lengthwise (using a sharp, non-serrated knife) and fit into place. For Self-seal installation: Slip the tube on pipe, pull built-in release liner, pinch the tube shut, apply pressure at the seams, and apply the overlap seam using pressure. For cold weather installations, it is critical that sufficient pressure levels be applied for proper seam sealing. All seams, butt joints, termination points and open ends should be sealed with an approved contact adhesive, making sure both surfaces to be joined are coated. Lengthwise seams should face downward and vapor stops should be installed as needed. Fittings and special parts can be field fabricated from insulation tubes and sheets.

THICKNESS RECOMMENDATIONS - TO PREVENT CONDENSATION

SERVICE TEMPERATURE	50°F (10°C)			35°F (2°C)			0°F (-18°C)			-20°F (-29°C)		
PIPE SIZE	MILD	NORMAL	SEVERE	MILD	NORMAL	SEVERE	MILD	NORMAL	SEVERE	MILD	NORMAL	SEVERE
3/8" 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	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 excess moisture is introduced or in poorly ventilated areas where the temperature may be depressed below the ambient: 90°F and 80% R.H.

TECHNICAL DATA

PHYSICAL PROPERTIES		STANDARDS
Thermal Conductivity (K)	90°F (32°C) Mean Temp	0.258 (0.0372)
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
Operating Temperature Range		-40°F to +220°F **
Water Vapor Permeability: Dry Cup		< 0.01 Perm-In
Wet Cup: (Glued Seam w/ Overlap)		0.10 Perm-In
Water Absorption (Volume Change)		0%
Flame Spread / Smoke Development (Up to 2" Wall)		<25/50
Flammability		Self-Extinguishing
Stability Dimensional		<7% Linear Shrinkage
Hot Surface Performance (250°F for 96 hours)		No Cracking or Delamination
Ozone Resistance		Pass
Odor / Emissions		No Objectionable Odor
Chemical/Solvent/Oil/Grease Resistance		Good
Flexibility		Excellent
	Pass: Cold Crack Test @ -40°F	ASTM C534
Mildew Growth Resistance / Air Erosion		Pass
Corrosion Risk		pH Neutral: 6.6 ± 0.04
Leachable Chlorides		< 0.05% Water-Soluble Chloride Ions
UV / Weather Resistance ¹		Pass
Sound Transmission Class (1")		13

¹ Outdoor applications should be protected with an approved coating or cladding for optimum performance.

**Intermittent temperature "spikes" to 250°F (121°C)

"R" VALUES

NOMINAL INSULATION ID	3/8" WALL*	1/2" WALL	3/4" WALL	1" WALL	1-1/2" WALL	2" WALL
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	7.3	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	-

*3/8" thick product construction does not include overlap tape. Hot melt adhesive on both seams is used for sealing purposes.

