

BACK TO BLACK

K-FLEX TITAN™

BRINGING ROCK BACK TO THE ROLL

The superior
choice for tear
resistant insulation.

K-FLEX TITAN™ is a flexible, co-extruded, jacketed composite material applied to K-FLEX® NBR/PVC tubular insulation. It's polymeric jacketed material offers excellent flexibility, abrasion and weather resistance.



The K-FLEX USA website contains the most recent version of all K-FLEX USA literature. Please refer to the website for current versions of K-FLEX USA literature at www.kflexusa.com

Made in USA



Available on line sets from



623.215.9000
csr@linesetsinc.com
www.linesetsinc.com

Phoenix, AZ
Lawrenceville, GA
Ansonia, CT

Linesets, Inc.® is the industry leader in custom line sets. Our ongoing commitment to listening and working with our distributors and their contractor customers allows us to provide innovative solutions of the highest quality and value. Every product design we offer reflects our many years of industry insight and service excellence.



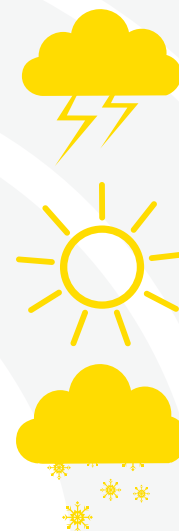


K-FLEX K-FLEX TITAN™

LINESETS, INC® – K-FLEX TITAN™ LINE SETS

THE BEST LINE SET AVAILABLE TODAY

- Durable (non-fracturing) with tear resistant skin that improves field installation time.
- Flexible and easily conforms to bends and its low module allows for it to be pushed back on tube for easier installation of fittings.
- The expanded closed-cell structure and unique formulation inherently resists moisture vapor intrusion. Titan needs no additional protection!
- Code Compliant. Meets the outdoor exposure requirements of the 2012 / 2015 IECC Residential & Commercial Co des. Plus, it's ASTM E84 25/50 rated.
- The most durable polymeric jacket we've ever offered. Resistant to damage from UV, equipment maintenance, and handling during install. Only line set insulation to offer a limited **5-year warranty including UV!**
- Titan can be used for indoor or outdoor applications with service temperatures ranging from -70°F to +220°F.
- 1-Step Install. No field-applied protective coating or jacketing required.
- Resistant to flames compared to PE type materials!



TECHNICAL DATA

PHYSICAL PROPERTIES	K-FLEX TITAN™	TEST METHODS
Main Composition	Flame-retarded NBR/PVC elastomeric foam with proprietary copolymer blend jacket	-
Thermal Conductivity (Btu-in/hr-Ft²-°F) 75°F (24°C) Mean Temp	0.245	ASTM C177
Density	3-6 lb/ft³	ASTM D1667
Operating Temperature Range	-70°F* (-57°C) to +220°F (+104°C)	ASTM C534
Water Vapor Permeability (Dry Cup) (Core Material Only)	<0.01 perm-in	ASTM E96
Water Vapor Permeance (Jacket Material)	≤0.05 perms	ASTM E96
Dimensional Stability	<7% Linear Shrinkage	ASTM C534
Corrosion Risk	pH neutral	DIN 1988
UV Resistance (Artificial Aging) (Jacket Material)	Pass: No Changes to Surface Condition	ASTM G153
Flammability	25/50 (up to 1-1/2")	ASTM E84

*For applications below -40°F (-40°C), contact K-FLEX technical support.

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

NOMINAL INSULATION I.D.	1/2" WALL	3/4" WALL	1" WALL	1-1/2" WALL
	Insul-Tube	Insul-Tube	Insul-Tube	Insul-Tube
1/4"	4.0	6.1	9.6	16.5
3/8"	3.6	5.6	8.5	14.6
1/2"	3.4	5.4	7.9	13.5
5/8"	3.3	5.4	7.5	12.8
3/4"	3.1	5.4	7.5	12.4
7/8"	3.2	5.4	7.2	11.6
1-1/8"	3.1	5.5	7.1	10.8

SPECIFICATION COMPLIANCE

2012 IECC

Section R403.3.1 (residential)
Section C403.2.8 (commercial)

2015 IECC

Section R403.4.1 (residential)
Section C403.2.10.1 (commercial)

2013 California Energy Code, Part 6

Subchapter 3, Section 120.3

ASTM E84 25/50-rated (to 1-1/2")

