

K-FLEX® ELASTOMERIC FOAM TAPE



DESCRIPTION

K-FLEX® Elastomeric Foam Tape is a convenient and easy-to-use product that complements the K-FLEX USA family of tubing and sheet insulation products. It is a specially designed flexible, elastomeric insulation product. It is manufactured in 1/8" or 1/4" thickness by 2" width by 30' length, with pressure sensitive adhesive for applying to hot or cold pipes and fittings. The factory-applied pressure sensitive acrylic adhesive adheres firmly and forms a long-lasting bond, while the closed cell structure of the product provides good thermal and low moisture permeability properties.

USES

K-FLEX® Elastomeric Foam Tape is used to retard heat gain and prevent condensation or frost formation on cold water plumbing, chilled water, and refrigeration lines. It also reduces heat flow for hot water plumbing, liquid heating, and dual temperature piping. K-FLEX® Elastomeric Foam Tape is ideal for insulating short runs of pipes or valves and fittings where it is impractical to install tubing insulation. The tape can be applied in multiple wraps (thickness) to meet various service conditions.

APPLICATION INSTRUCTIONS

K-FLEX® Elastomeric Foam Tape may be applied to all diameter pipes and tubes by spiral winding. Remove the release paper as the tape is spiral-wrapped around the pipe. Avoid stretching. Edges may be butted or overlapped. The seams are sealed with slight hand pressure. Surfaces to which K-FLEX® Elastomeric Foam Tape is to be applied must be dry and clean. For best results, apply at temperature above 40°F (4°C) and not on heated surfaces.

SPECIFICATIONS

K-FLEX® Elastomeric Foam Tape is manufactured using K-FLEX USA elastomeric sheet insulation and meets the same physical property specifications.

PHYSICAL PROPERTIES

Skin Surface	Smooth, black surface for excellent appearance
Composition	Flexible, closed cell elastomeric insulation
Color	Black
Dimensions	1/8" (3 mm) x 2" (50 mm) x 30' (9.1 m) roll (12 rolls/carton) 1/4" (6 mm) x 2" (50 mm) x 30' (9.1 m) roll (6 rolls/carton)
Density	4-8 lb/cu. ft.
Thermal Conductivity	.25 at 75°F, tested according to ASTM C-177
Water Absorption	0.10 lbs./cut surface area, ASTM 1667
Water Vapor Permeability	0.10 perms-in (dry cup) ASTM E96
Flammability Characteristics	ASTM E 84 25/50 Rated
Temperature Limits	-40°F (-40°C) to 200°F (93°C)
Freight Classification	Tape, insulation, NOIBN. No label required

THICKNESS RECOMMENDATIONS - TO CONTROL CONDENSATION

Air Temperature and Relative Humidity	Pipe Temp	
	50°F (10°C)	32°F (0°C)
77°F (25°C)/50% RH	Single Layer	2 Layers
85°F (29°C)/70% RH	3 Layers	4 Layers

NOTE: Thickness recommendations calculated using 0.2575 K-factor (0.25 plus 3% test error allowance)



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