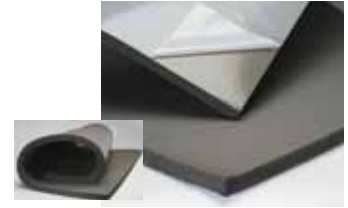


K-Flex Duct[®] Liner Gray

Flexible closed-cell gray insulation supplied with or without PSA
Designed for the sheet metal and insulation contractor market.



FEATURES AND BENEFITS

- Closed-cell, flexible elastomeric thermal and acoustical insulation.
- Non-fibrous and resists mold growth.
- GREENGUARD[®] Certified for low VOC materials, “Children and Schools” classification, listed as mold resistance and meet the “Mold Resistant” criteria.
- Available with Pressure Sensitive Adhesive (PSA) which gives the benefits of having tear and moisture resistant polyolefin easy release liner, continuous reinforcing scrim prevents stretching of insulation and improves peel strength.

- If used with PSA, it reduces installation time and minimizes the amount of solvent based contact adhesives required.
- Used to retard heat gain/loss and prevent condensation or frost formation on cold equipment or ducts.
- Can be used in applications with a temperature range from -40°F to +200°F.
- Can be used as both duct and air handling equipment liner.

SPECIFICATION COMPLIANCE

- ASTM C 411 (Test Method for Hot Surface Performance of High Temperature Thermal Insulation)
- ASTM C 534 Type 2 (Sheet), Grade 1
- ASTM C 423/E 795 NRC= 0.50 at 1” thickness
- New York City MEA 186-86-M Vol. V
- ASTM D 1056-00-2C1
- ASTM E 84 Foam Core: 25/50 at 2” and below; PSA: 0/10
- UL 94-5V Flammability Classification (Recognition No. E300774)
- Meets requirements of NFPA 90A Sect. 2.3.3 for Supplementary Materials for Air Distribution Systems
- Meets requirements of UL 181 sections 11.0 and 16.0 (Mold Growth/Air Erosion)

Physical Properties	K-Flex [®] Duct Liner Gray	Test Methods	Physical Properties	K-Flex [®] Duct Liner Gray	Test Methods
Temperature Range Sheets	-40°F to +200°F	ASTM C 411	Density	3 pcf to 6 pcf	ASTM D 1622, ASTM D 3575
Color	Gray		Resistance to U.V. & weather	Good ¹	
Thermal Conductivity (75°F mean)	0.25 BTU-in/hr-ft ² -°F	ASTM C 177	Odor	Negligible	
Water Vapor Permeability	<0.06 perm-in	ASTM E 96	% closed cells	>90	
Flexibility	Excellent		Mold resistance	Pass	ASTM C 1338, UL 181/ASTM G 21
Water Absorption %	<0.20	ASTM C 209	Air Erosion	Pass 10,000 fpm	UL 181
Ozone Resistance	Good		Resistance to oil & greases	Good	

Sheet “R” Values

Thickness, in.	1/2”*	3/4”*	1”*	1-1/2”*	2”*
R-Value	2.0	3.0	4.2	6.0	8.0

*All sizes are nominal. Note: “R” Values were calculated using a K factor of 0.25 (75°F (24°C) mean temp.) and nominal thickness in each case. Lower operating temperatures will result in improved R values. Contact Technical Services for specific recommendations.



K-Flex USA - 100 Nomaco Drive - Youngsville, NC 27596 - toll free 800-765-6475 - fax 800-765-6471 - www.kflexusa.com

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