Product Data Sheet

Duraflex™ Transportation Insulation

Product Description

Duraflex Transportation Insulation is a flexible blanket of chopped, textile type glass fibers bonded with a thermosetting resin. *Duraflex* insulation is light green in color. The product is available in several densities and thicknesses to fit a wide variety of applications.

Features and Benefits

- High Strength and Resiliency: *Duraflex* insulation will retain full thickness after repeated compression loadings. This characteristic makes *Duraflex* insulation ideal for a wide range of applications.
- Softness and Flexibility: The softness and flexibility of *Duraflex* insulation permits easy installation into difficult configurations.
- Efficient Thermal Insulation: The low thermal conductivity property of *Duraflex* insulation means a high level of thermal insulating.
- Efficient Acoustical Insulation: The good sound absorption properties of *Duraflex* insulation means a high level of acoustical insulating.
- High Temperature Resistance: *Duraflex* insulation has a continuous service temperature of 450°F. The glass fiber will maintain its form up to 1200°F, but the binder will decompose above 450°F.

Uses

- Muffler insulation and packing
- Insulation for tank cars and trailers
- Insulation for mass transit vehicles
- Various industrial applications for thermal/acoustical insulation.

Product Types and Dimensions

Type	Density lbs./ft.³	Thickness Range in. (1/2 in. increments)	Width Range in. (1/4 in. increments)
75	0.75	1 1/2 thru 4	24-72
100	1.00	1 thru 4	24-72
150	1.50	1 thru 3	24-72
200	2.00	1/2 thru 2	24-72
300	3.00	1/2 thru 1 1/2	24-72

Packaging

Duraflex Transportation Insulation is packaged in compressed rolls and wrapped in polyethylene enclosed bags. The ends of the polyethylene package are gathered and wire tied. The excess poly is cut off.

Thermal Performance

Type	Thermal Conductivity* Btu-in./(hr. ft.² °F)
75	0.29
100	0.28
150	0.26
200	0.25
300	0.23

*Per ASTM C-177 at 75°F Mean Temperature

Acoustical Performance

Type	Thickness in.	Sound Absorption Coefficient* 125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
150	1	0.13	0.51	0.46	0.65	0.74	0.95	0.60
	2	0.25	0.73	0.94	1.03	1.02	1.09	0.93
200	1/2	0.10	0.44	0.29	0.39	0.63	0.81	0.45
	1	0.15	0.59	0.53	0.78	0.85	1.00	0.70
	2	0.28	0.81	1.04	1.20	1.06	1.09	1.00
300	1/2	0.09	0.43	0.31	0.43	0.66	0.98	0.45
	1	0.14	0.56	0.63	0.82	0.99	1.04	0.75

*Per ASTM C-423, Room Mounting No. 6

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