

Data Sheet



Radial Wrap™ rolled fiberglass insulation is a flexible insulation product that allows for installation on round surfaces in either hot or cold applications. The product consists of bio-soluble glass fibers that are bonded with a thermosetting resin, oriented to provide excellent compressive strength plus flexibility. Radial Wrap™ is suitable for operating temperatures up to 850°F (454°C). It is only available with an ASJ or FSK facing.

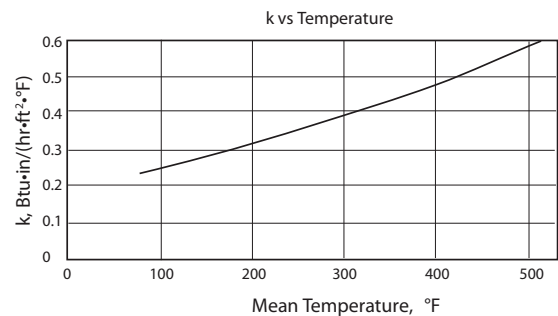
Features:

- Available in rolls 48" in width and thicknesses at 1½" and 2".
- Cost effective alternative for pre-formed pipe insulation for use on varying diameter pipes.
- The continuous blanket easily wraps tanks, pipes and irregular shaped objects without thermal efficiency lost.
- Low thermal conductivity compared to segmented products.
- Available with ASJ or FSK facing

AVAILABLE SIZES FOR ASJ AND FSK

Thickness		Width		Length		Minimum wrap Diameter (NPS)	
In.	(mm)	In.	(mm)	ft.	(m)		
1.5"	38	48"	1,219	30'	9.14	8"	203
2"	51	48"	1,219	26'	7.92	10"	254

Thermal conductivity



Mean Temp. °F	k Btu-in/hr-ft²-°F	Mean Temp. °C	λ W/m·°C
75	0.24	25	0.035
100	0.25	50	0.038
200	0.32	100	0.047
300	0.40	150	0.057
400	0.48	200	0.069
500	0.58	250	0.081

Radial Wrap™ is a trademark of GLT Products

For more information on GLT Products, please call toll-free at 800.874.1748 or online at www.gltproducts.com.

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Physical characteristics		
Property	Testing Method	Value
Max use temperature	ASTM C411	850°F (454°C)
Density	ASTM C303	2.5 pcf (40 kg/m ³)
Compressive resistance	ASTM C165	25 psf (1200 Pa)
Composite surface burning characteristics	ASTM E84	
Flame spread		25
Smoke developed		50
Corrosiveness	ASTM C665	Meets requirements
Fungi resistance	ASTM C1338	Meets requirement
Facing temperature limit	ASTM C1136	150°F (66°C)
Water vapor permeance (Facing)	ASTM E96	0.02 perm
Surface burning characteristics	ASTM E84	Meets requirements

Estimated stretch-out lengths for standard pipe sizes

NPS	Pipe OD In.	1.5" in. (38mm) mm	2" in. (51mm) mm	2.5" in. (64 mm) mm	3" in (76 mm) mm
6	6.6				
8	8.6	36.5	928		
10	10.8	43.5	1,104	46.6	1,184
12	12.8	49.7	1,263	52.9	1,343
14	14	53.5	1,359	56.6	1,439
16	16	59.8	1,519	62.9	1,598
18	18	66.1	1,678	69.2	1,758
20	20	72.3	1,838	75.5	1,917
22	22	78.6	1,997	81.8	2,236
24	24	84.9	2,157	88.1	2,236
26	26	91.2	2,316	94.3	2,396
28	28	97.2	2,476	100.6	2,555
30	30	103.7	2,635	106.9	2,715
32	32	110.0	2,795	113.2	2,874
34	34	116.3	2,954	119.4	3,034
36	36	122.6	3,114	125.7	3,193

Note: Lengths provided in table do not include a staple flap. If a staple flap is desired, please add 3-4 inches to the length.

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Innovative Insulation Systems

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