



FABRICATORS

INDUSTRIAL INSULATION SALES, INC.

2101 KENMORE AVE.
BUFFALO, NEW YORK 14207
(716) 874-7278 • FAX (716) 871-3498

631 TRABOLD ROAD
ROCHESTER, NEW YORK 14624
(585) 247-0852 • FAX (585) 247-9354

www.industrialinsulation.com

PRODUCTS	K-factor @ 75° mean temp	K-factor @ 400° mean temp	R-factor Per 1" Thick	PSI Compressive Strength	Flame Spread	Smoke Dev.	Temp Limits F°
Fiberglass P/C	.23	.44	4.35	N/A	25	50	0 to +850°
FG Board 1.5#	.24	-	4.17	N/A	25	50	0 to +450°
3.0#	.23	-	4.55	25#/PSF	25	50	0 to +450°
6.0#	.22	-	4.35	200#/PSF	25	50	0 to +450°
Fiberglass T/W							
TYPE I	.26	.75	3.85	N/A	25	50	+1000°
TYPE II	.22	.44	4.55	N/A	25	50	+1000°
Calcium Silicate	.34	.50	2.95	100	Non-Combustible		+1200°
FSK or ASJ Facing	Surface not to exceed +150°				25	50	
Duct Board 450	.23	-	4.35	N/A	NFPA 90 A & B		+250°
Duct Board 800	.23	-	4.35	N/A	NFPA 90 A & B		+250°
Duct Liner 150	.28	-	3.60	N/A	NFPA 90 A & B		+250°
Duct Liner 200	.26	-	3.85	N/A	NFPA 90 A & B		+250°
Duct Liner 300	.24	-	4.17	N/A	NFPA 90 A & B		+250°
Duct Wrap .75#	.30	-	3.33	N/A	25	50	+250°
Duct Wrap 1#	.27	-	3.70	N/A	25	50	+250°
Duct Wrap 1.5#	.25	-	4.00	N/A	25	50	+250°
Trymer 1800	.19	-	5.30	20	25	50 on<1"TK	-297 to +300°
Trymer 2000	.19	-	5.30	24	25	50 on<1 1/2"TK	-297 to +300°
Trymer 4000	.19	-	5.30	80	15	360	-297 to +300°
Ex. Polystyrene 1#	.26	-	3.85	10-14	15	150	+165°
Ex. Polystyrene 1.5#	.24	-	4.17	15-21	15	150	+165°
Ex. Polystyrene 2#	.23	-	4.35	25-33	15	150	+165°
Styrofoam Board	.20	-	5.00	25	5	165	-297 to +165°
Styrofoam Pipe	.26	-	3.85	20	5	115	-297 to +165°
Mineral Wool 4#	.25	.45	4.00	63 PSF	0	0	+1200°
Mineral Wool 6#	.22	.43	4.55	104 PSF	0	0	+1200°
Mineral Wool 8#	.24	.40	4.17	164 PSF	0	0	+1200°
Ceramic Blanket 6#	.29	.65	3.45	N/A	Non-Combustible		+2300°
Armaflex	.27	-	3.70	N/A	25	50	-40 to +220°
Polyethylene	.25	-	4.00	5	25	50	-150 to +210°
Foamglas	.29	.55	3.03	90	Non-Combustible		-450 to +900°
Tempmat 1200	.26	.45	3.85	N/A	Non-Combustible		+1200°

Btu = the amount of heat required to raise one pound of water one degree F.

k+Btu/hr, SF, °F/in.	$R = \frac{x}{k}$ (x= thickness in inches)	Mean Temp= $\frac{\text{Cold side} + \text{Hot side}}{2}$
----------------------	--	---