

Unit : W / m

T(°C)	Insulation Thickness (mm)											
	10	20	25	30	40	50	60	70	75	80	90	100
10	45.03	22.52	18.01	15.01	11.26	9.00	17.90	6.43	6.00	5.63	5.00	4.50
20	90.06	45.03	36.03	30.02	22.52	18.01	15.01	12.87	12.00	11.26	10.00	9.00
30	135.10	67.55	54.04	45.03	33.78	27.02	22.52	19.30	18.01	16.89	15.01	13.51
40	180.13	90.06	72.05	60.04	45.03	36.03	30.02	25.73	24.02	22.52	20.01	18.01
50	225.16	112.58	90.06	75.05	56.29	45.03	37.53	32.17	30.02	28.15	25.02	22.52
60	270.19	135.10	108.08	90.06	67.55	54.04	45.03	38.60	36.03	33.77	30.02	27.02
70	315.23	157.61	126.09	105.08	78.81	63.05	52.54	45.03	42.03	37.40	35.03	31.52
80	360.26	180.13	144.10	120.09	90.06	72.05	60.04	51.47	48.03	45.03	40.03	36.03
90	405.29	202.65	162.11	135.10	101.32	81.06	67.55	57.90	54.04	50.66	45.03	40.53
100	450.32	225.16	180.13	150.11	112.58	90.06	75.05	64.33	60.04	56.29	50.04	45.03
110	459.36	247.68	198.14	165.12	123.84	99.07	82.56	70.76	66.05	61.92	50.04	49.53
120	540.39	270.19	216.16	180.13	135.10	108.08	90.06	77.20	72.05	67.55	60.04	54.03
130	585.42	292.71	234.17	195.14	146.36	117.08	97.57	83.63	78.06	73.18	65.05	58.54
140	630.45	315.23	252.18	210.15	157.61	126.09	105.09	90.06	84.06	78.81	70.05	63.04
150	675.49	337.74	270.19	225.16	168.87	135.10	112.58	96.50	90.06	84.44	75.05	67.55

Insulation Material-Glass Fiber (ASTM C547)

Outside Pipe Installation Condition. In case of inside installation, multiply every value 0.9

Including 20% extra value

Insulation Factors

Insulation Material	Insulation Factor (F)	Thermal Conductivity at 10 Mean Temp. (W/m)
Glass Fiber	1.00	0.036
Asbestos Fiber	1.17	0.042
Bakelite	1.31	0.047
Calcium Silicate	1.50	0.054
Cellular Glass	1.61	0.058
Expanded Perlite	1.50	0.054
Foamed Elastomer	1.17	0.042
Mineral Fiber	1.20	0.043
Mineral Wool	1.06	0.038
85% Magnesia	1.61	0.058
Regid Cellular Polyurethane	0.67	0.024
Polyurethane Foam	0.92	0.033
Polyurethane	0.75	0.027
Polyurethane (Styrofoam)	0.79	0.028
Polystyrene Foams (Styropol)	0.78	0.027
Rigid Foamed Rubber	0.94	0.034