



Use multiplication factor to obtain losses for type of insulation used.
Для получения величины тепловых потерь для конкретного типа теплоизоляции умножьте исходные данные на соответствующие коэффициенты
1 W/m °C = 0,86 Kcal / m.hr.°C
1 Вт/м.°C = 0,86 ккал/м.час °C

Type	Тип	Thermal conductivity at 10°C (W/m°C) Теплопроводность при 10°C (Вт/м °C)	Correction factor Поправочный коэффициент
Fibreglass	Стеклооткань	0,036	1.0
Rock wool	Минеральная вата	0,038	1.06
Foam rubber	Пенорезина	0,042	1.17
Polyurethane foam	Пенополиуретан	0,024	0.67

Insulation thickness Толщина теплоизоляции	Δ T °C	Pipe dimensions - Nominal dia: inches. Ext dia: mm / Размеры труб Номинальный диаметр: дюймы. Наружный диаметр: мм															
		1/4 14mm	1/2 21mm	3/4 27mm	1 34mm	1 1/4 42mm	1 1/2 48mm	2 60mm	2 1/2 76mm	3 89mm	4 114mm	6 168mm	8 219mm	10 273mm	12 324mm	14 356mm	16 406mm
40	20	2.6	3.1	3.6	4.0	4.6	5.0	5.8	6.8	7.6	9.1	12.5	15.5	18.8	21.8	23.7	26.6
	30	3.9	4.8	5.4	6.2	7.0	7.6	8.8	10.4	11.6	14.0	19.0	23.7	28.6	33.2	36.1	40.5
	40	5.3	6.5	7.4	8.4	9.5	10.3	11.9	14.0	15.7	18.9	25.8	32.2	38.8	45.1	49.0	55.0
	50	6.3	8.2	9.4	10.7	12.1	13.1	15.2	17.9	20.0	24.1	32.8	40.9	49.4	57.3	62.2	69.9
	60	8.3	10.0	11.4	13.0	14.7	16.0	18.5	21.8	24.4	29.4	40.1	49.9	60.3	69.9	75.9	85.3
	80	11.4	13.8	15.7	17.9	20.3	22.1	25.5	30.0	33.6	40.5	55.2	68.8	83.0	96.3	104.6	117.4
	90	13.0	15.8	18.0	20.5	23.2	25.2	29.2	34.3	38.5	46.3	63.1	78.6	94.9	110.0	119.5	134.2
	100	14.7	17.8	20.3	23.1	26.2	28.5	32.9	38.8	43.4	52.2	71.2	88.7	107.0	124.2	134.9	151.4
	120	18.2	22.1	25.1	28.6	32.4	35.2	40.8	48.8	53.7	64.6	88.1	109.7	132.4	153.6	166.8	187.2
	140	21.9	26.5	30.2	34.4	39.0	42.4	49.0	57.6	64.6	77.7	105.8	131.9	159.1	184.5	200.4	224.9
160	25.8	31.2	35.6	40.5	45.9	49.8	57.6	67.8	76.0	91.4	124.5	155.1	187.1	217.0	235.6	264.4	
180	29.8	36.1	41.2	46.8	53.1	57.7	66.7	78.5	87.9	105.7	144.0	179.4	216.4	250.9	272.4	305.7	
50	20	2.3	2.8	3.2	3.6	4.0	4.3	5.0	5.8	6.5	7.7	10.4	12.9	15.5	17.9	19.4	21.8
	30	3.6	4.3	4.8	5.6	6.1	6.6	7.6	8.9	9.9	11.8	15.9	19.4	23.7	27.4	29.7	33.3
	40	4.8	5.8	6.5	7.4	8.3	9.0	10.3	12.0	13.4	16.0	21.6	26.7	32.1	37.1	40.3	54.1
	50	6.2	7.4	8.3	9.4	10.6	11.4	13.1	15.3	17.1	20.4	27.4	32.0	40.8	47.2	51.2	57.4
	60	7.5	9.0	10.2	11.5	12.9	14.0	16.0	18.7	20.8	24.8	33.5	41.4	49.8	57.6	62.5	70.0
	80	10.3	12.4	14.0	18.8	17.8	19.2	22.1	25.7	28.7	34.2	46.1	57.1	68.6	79.3	86.0	96.4
	100	13.4	16.0	18.1	20.4	22.9	28.4	28.5	33.2	37.0	44.2	59.5	73.6	88.4	102.3	110.9	124.3
	120	16.5	19.8	22.4	25.2	28.4	30.7	35.2	41.1	45.8	56.4	73.6	91.1	109.4	126.5	137.2	153.8
	140	19.9	23.8	26.8	30.3	34.1	36.9	42.4	49.4	55.0	65.7	88.5	109.5	131.5	152.0	164.9	184.7
	160	23.4	28.0	31.6	35.7	40.2	43.4	49.8	58.1	64.7	77.3	104.0	128.8	154.6	178.8	193.9	217.2
180	27.1	32.4	36.6	41.3	46.5	50.3	57.7	67.3	74.9	89.4	120.4	149.0	178.9	206.8	224.2	251.2	
60	20	2.2	2.6	2.9	3.2	3.6	3.9	4.4	5.2	5.7	6.8	9.0	11.1	13.3	15.3	16.6	18.6
	30	3.3	3.9	4.4	4.9	5.5	6.0	6.8	7.9	8.7	10.4	13.8	17.0	20.3	23.4	25.6	28.4
	40	4.5	5.3	6.0	6.7	7.5	8.1	9.2	10.7	11.8	14.1	18.7	23.0	27.5	31.8	34.4	38.5
	50	5.7	6.8	7.6	8.5	9.5	10.3	11.7	13.6	15.1	17.9	23.8	29.3	35.0	40.4	43.7	49.0
	60	7.0	8.3	9.3	10.4	11.6	12.5	14.3	16.6	18.4	21.8	29.0	35.7	42.7	49.3	53.4	59.7
	80	9.6	11.4	12.8	14.4	16.1	17.3	19.7	22.8	25.3	30.1	40.0	49.2	58.9	67.9	73.5	82.3
	100	12.4	14.7	16.5	18.5	20.7	22.3	25.4	29.5	32.7	38.8	51.6	63.5	75.9	87.6	94.8	106.1
	120	15.3	18.2	20.4	22.9	25.6	27.6	31.5	36.5	40.4	48.0	63.9	78.6	94.0	108.3	117.3	131.2
	140	18.5	21.9	24.6	27.6	30.8	33.2	37.8	43.8	48.6	57.7	76.7	94.4	112.9	130.2	141.0	157.7
	160	21.7	25.7	28.9	32.4	36.3	39.1	44.5	51.6	57.2	67.9	90.3	111.1	132.8	153.1	165.8	185.4
180	25.1	29.8	33.5	37.5	42.0	45.2	51.5	59.7	66.1	78.5	104.5	128.5	153.6	172.1	191.7	214.5	
80	20	1.9	2.3	2.5	2.8	3.1	3.3	3.8	4.3	4.8	5.6	7.3	8.9	10.5	12.1	13.0	14.6
	30	3.0	3.5	3.9	4.3	4.8	5.1	5.7	6.6	7.3	8.5	11.1	13.5	16.1	18.4	19.9	22.2
	40	4.0	4.7	5.2	5.8	6.5	6.9	7.8	8.9	9.8	11.5	15.1	18.4	21.8	25.0	27.0	30.1
	60	6.3	7.3	8.1	9.0	10.0	10.7	12.1	13.9	15.3	17.9	23.4	28.5	33.8	38.8	41.9	46.8
	80	8.6	10.1	11.2	12.5	13.8	14.8	16.7	19.1	21.0	24.7	32.3	39.3	46.6	53.5	57.8	64.4
	100	11.1	13.0	14.5	16.1	17.8	19.1	21.5	24.7	27.2	31.8	41.6	50.7	60.2	69.0	74.5	83.1
	120	13.8	16.1	17.9	19.9	22.0	23.6	26.6	30.5	33.6	39.4	51.5	62.7	74.4	85.4	92.2	102.8
	140	16.5	19.3	21.5	23.9	26.5	28.4	32.0	36.7	40.4	47.4	61.9	75.4	89.5	102.6	110.8	123.5
	160	19.5	22.8	25.3	28.1	31.2	33.4	37.2	43.2	47.5	55.7	72.9	88.7	105.2	120.7	130.3	145.2
	180	22.5	26.3	29.3	32.6	36.1	38.6	43.6	50.0	55.0	64.5	84.3	102.6	121.7	139.6	150.7	160.0
100	20	1.9	2.2	2.4	2.7	3.0	3.2	3.5	4.0	4.4	5.1	6.6	7.9	9.4	10.7	11.5	12.8
	30	2.9	3.4	3.7	4.1	4.5	4.8	5.4	6.1	6.7	7.8	10.0	12.1	14.3	16.3	17.6	19.5
	40	3.9	4.6	5.0	5.6	6.1	6.5	7.3	8.3	9.1	10.6	13.6	16.5	19.4	22.1	23.8	26.5
	60	6.1	7.1	7.8	8.6	9.5	10.1	11.3	12.9	14.1	16.4	21.2	25.5	30.1	34.3	37.0	41.1
	80	8.4	9.8	10.8	11.9	13.1	14.0	15.6	17.8	19.5	22.6	29.1	35.2	41.5	47.3	51.0	56.6
	100	10.9	12.6	13.9	15.4	16.9	18.0	20.2	22.9	25.1	29.2	37.6	45.4	53.5	61.0	65.8	73.1
	120	13.4	15.6	17.2	19.0	20.9	22.3	25.0	28.4	31.1	36.1	46.5	56.2	66.2	75.5	81.4	90.4
	140	16.2	18.7	20.7	22.2	25.2	26.8	30.0	34.1	37.3	43.4	55.9	67.5	79.5	90.8	97.8	108.6
	160	19.0	22.0	24.4	26.9	29.6	31.6	35.3	40.1	43.9	51.0	65.8	79.4	93.6	106.8	115.0	127.8
	180	22.0	25.5	28.2	31.1	34.3	36.5	40.9	46.5	50.8	59.1	70.2	81.9	108.3	123.5	133.1	147.8
150	20	1.7	1.9	2.1	2.3	2.5	2.6	2.9	3.2	3.5	4.0	5.0	6.0	7.0	7.9	8.4	9.3
	30	2.5	2.9	3.2	3.5	3.8	4.0	4.4	4.9	5.4	6.1	7.7	9.1	10.6	12.0	12.9	14.2
	40	3.5	3.9	4.3	4.7	5.1	5.4	6.0	6.7	7.3	8.3	10.4	12.4	14.4	16.3	17.4	19.3
	60	5.4	6.1	6.7	7.3	7.9	8.4	9.3	10.4	11.3	12.9	16.2	19.2	22.4	25.3	27.1	29.9
	80	7.4	8.4	9.2	10.0	10.9	11.6	12.8	14.3	15.5	17.8	22.3	26.5	30.8	34.8	37.3	41.2
	100	9.5	10.9	11.9	13.0	14.1	14.9	16.5	18.5	20.1	22.9	28.8	34.2	39.7	44.9	48.1	53.1
	120	11.8	13.5	14.7	16.0	17.5	18.5	20.4	22.9	24.8	28.4	35.7	42.3	49.2	55.6	59.5	65.7
	140	14.2	16.2	17.7	19.3	21.0	22.2	24.6	27.5	29.8	34.1	42.9	50.9	59.1	66.8	71.6	79.0
	160	16.7	19.0	20.8	22.7	24.7	26.2	28.9	32.4	35.1	40.1	50.5	59.8	69.5	78.8	84.2	92.9
	180	19.3	22.0	24.1	26.3	28.6	30.3	33.5	37.5	40.6	46.4	58.4	69.2	80.5	90.9	97.4	107.5