



## INSUL-TUBE®

The low thermal conductivity capacity of INSUL-TUBE® made from black NBR assures a sufficient surface area temperature and avoids the accumulation of condensation. A high water vapour permeability guarantees this feature for the service life of the unit. Because of the exceptional thermal insulating properties of INSUL-TUBE®, energy use for air conditioning and cooling units is significantly reduced. This maximizes not only the cost efficiency, but also the ecological efficiency of the entire unit. INSUL-TUBE® is a foam product with sound absorbing properties, reducing pop and flow noises in pipes.

### Product features

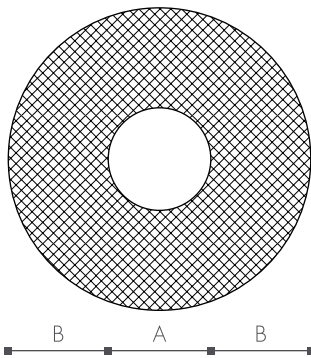
- Thermal conductivity (EN ISO 8497):
 

6 - 25mm	32mm	40 - 60mm
0,031 W/mK at -30°C	0,032 W/mK at -30°C	
0,034 W/mK at 0°C	0,035 W/mK at 0°C	0,036 W/mK at 0°C
0,038 W/mK at 40°C	0,040 W/mK at 40°C	0,040 W/mK at 40°C
0,044 W/mK at 70°C	0,046 W/mK at 70°C	
- Fire performance: B<sub>s</sub>3d0 (EN 13501-1)
- Temperature range: -30°C to 100°C (EN 14707)
- Water vapour diffusion resistance (EN 13469): ≥ 7000
- See website for Declaration of Performance
- Tolerances according to EN 14304 Table 1

[www.nmc-insulation.com](http://www.nmc-insulation.com)

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The low thermal conductivity capacity of INSUL-TUBE® assures a sufficient surface area temperature and avoids the accumulation of condensation.

A high water vapour permeability guarantees this feature for the service life of the unit.

Because of the exceptional thermal insulating properties of INSUL-TUBE®, energy use for air conditioning and cooling units is significantly reduced.

This maximizes not only the cost efficiency, but also the ecological efficiency of the entire unit.

INSUL-TUBE® is a foam product with sound absorbing properties, reducing pop and flow noises in pipes.

For installation, please note the details in our processing instructions.

## Product range

Copper CU		Steel FE			Synthetics MSV & PEX	Type	A mm	B mm	Length m	Packaging unit
NW DN	Outer Ø mm	NW DN	Outer Ø mm	inch	Outer Ø mm					
4	6	-	-	-	-	<b>6 x 6</b>	6	6	2m	600m
6	8	-	-	-	-	<b>8 x 6</b>	8	6	2m	500m
8	10	6	10,2	1/8	-	<b>10 x 6</b>	10	6	2m	430m
10	12	-	-	-	-	<b>12 x 6</b>	12	6	2m	350m
10	15	8	13,5	1/4	-	<b>15 x 6</b>	15	6	2m	300m
15	18	10	17,2	3/8	16	<b>18 x 6</b>	18	6	2m	280m
20	22	15	21,3	1/2	20	<b>22 x 6</b>	22	6	2m	216m
20	25	-	25	3/4	25	<b>25 x 6</b>	25	6	2m	180m
25	28	20	26,9	3/4	25	<b>28 x 6</b>	28	6	2m	150m
-	-	-	-	1	32	<b>32 x 6</b>	32	6	2m	130m
32	35	25	33,7	1	32	<b>35 x 6</b>	35	6	2m	120m
40	42	32	42,4	1 1/4	40	<b>42 x 6</b>	42	6	2m	90m
4	6	-	-	-	-	<b>6 x 9</b>	6	9	2m	360m
6	8	-	-	-	-	<b>8 x 9</b>	8	9	2m	340m
8	10	6	10,2	1/8	-	<b>10 x 9</b>	10	9	2m	320m
10	12	-	-	-	-	<b>12 x 9</b>	12	9	2m	280m
10	15	8	13,5	1/4	-	<b>15 x 9</b>	15	9	2m	240m
15	18	10	17,2	3/8	16	<b>18 x 9</b>	18	9	2m	190m
15	19	-	-	1/2	20	<b>20 x 9</b>	20	9	2m	160m
20	22	15	21,3	1/2	20	<b>22 x 9</b>	22	9	2m	156m
20	25	-	25	3/4	25	<b>25 x 9</b>	25	9	2m	130m
25	28	20	26,9	3/4	25	<b>28 x 9</b>	28	9	2m	124m

Copper CU		Steel FE			Synthetics MSV & PEX		A mm	B mm	Length m	Packaging unit
NW DN	Outer Ø mm	NW DN	Outer Ø mm	inch	Outer Ø mm	Type				
-	-	-	-	-	32	<b>32 x 9</b>	32	9	2m	110m
32	35	25	33,7	1	32	<b>35 x 9</b>	35	9	2m	92m
40	42	32	42,4	1 1/4	40	<b>42 x 9</b>	42	9	2m	70m
-	-	-	-	-	44,5	<b>45 x 9</b>	45	9	2m	60m
-	-	40	48,3	1 1/2	-	<b>48 x 9</b>	48	9	2m	60m
50	54	-	54	-	50	<b>54 x 9</b>	54	9	2m	60m
50	57	-	57	-	-	<b>57 x 9</b>	57	9	2m	60m
-	-	50	60,3	2	-	<b>60 x 9</b>	60	9	2m	60m
-	64	-	63,5	-	63	<b>64 x 9</b>	64	9	2m	54m
-	64	-	63,5	-	63	<b>67 x 9</b>	67	9	2m	54m
-	70	-	70	-	-	<b>70 x 9</b>	70	9	2m	54m
65	76,1	65	76,1	2 1/2	-	<b>76 x 9</b>	76	9	2m	54m
-	80	-	-	-	-	<b>80 x 9</b>	80	9	2m	40m
80	88,9	80	88,9	3	-	<b>89 x 9</b>	89	9	2m	36m
-	-	-	101,6	3 1/2	-	<b>102 x 9</b>	102	9	2m	28m
100	108	-	108	-	-	<b>108 x 9</b>	108	9	2m	28m
100	114	100	114,3	4	-	<b>114 x 9</b>	114	9	2m	28m
-	-	-	125	-	-	<b>125 x 9</b>	125	9	2m	20m
125	133	125	133	-	-	<b>133 x 9</b>	133	9	2m	16m
-	-	125	139,7	5	-	<b>140 x 9</b>	140	9	2m	16m
150	159	-	160	-	-	<b>160 x 9</b>	160	9	2m	14m
4	6	-	-	-	-	<b>6 x 13</b>	6	13	2m	240m
6	8	-	-	-	-	<b>8 x 13</b>	8	13	2m	210m
8	10	6	10,2	1/8	-	<b>10 x 13</b>	10	13	2m	190m
10	12	-	-	-	-	<b>12 x 13</b>	12	13	2m	172m
10	15	8	13,5	1/4	-	<b>15 x 13</b>	15	13	2m	154m
15	18	10	17,2	3/8	16	<b>18 x 13</b>	18	13	2m	130m
15	19	-	-	1/2	20	<b>20 x 13</b>	20	13	2m	120m
20	22	15	21,3	1/2	20	<b>22 x 13</b>	22	13	2m	110m
20	25	-	25	3/4	25	<b>25 x 13</b>	25	13	2m	92m
25	28	20	26,9	3/4	25	<b>28 x 13</b>	28	13	2m	86m
-	-	-	-	1	32	<b>32 x 13</b>	32	13	2m	76m
32	35	25	33,7	1	32	<b>35 x 13</b>	35	13	2m	76m
40	42	32	42,4	1 1/4	40	<b>42 x 13</b>	42	13	2m	56m
-	-	-	-	-	44,5	<b>45 x 13</b>	45	13	2m	52m
-	-	40	48,3	1 1/2	-	<b>48 x 13</b>	48	13	2m	48m
50	54	-	54	-	50	<b>54 x 13</b>	54	13	2m	46m
50	57	-	57	-	-	<b>57 x 13</b>	57	13	2m	44m
-	-	50	60,3	2	-	<b>60 x 13</b>	60	13	2m	40m
-	64	-	63,5	-	63	<b>64 x 13</b>	64	13	2m	40m
-	-	-	-	-	-	<b>67 x 13</b>	67	13	2m	40m
-	70	-	70	-	-	<b>70 x 13</b>	70	13	2m	40m
65	76,1	65	76,1	2 1/2	-	<b>76 x 13</b>	76	13	2m	34m

Copper CU		Steel FE			Synthetics MSV & PEX	Type	A mm	B mm	Length m	Packaging unit
NW DN	Outer Ø mm	NW DN	Outer Ø mm	inch	Outer Ø mm					
-	80	-	-	-	-	<b>80 x 13</b>	80	13	2m	30m
80	88,9	80	88,9	3	-	<b>89 x 13</b>	89	13	2m	30m
-	-	-	101,6	3 1/2	-	<b>102 x 13</b>	102	13	2m	30m
100	108	-	108	-	-	<b>108 x 13</b>	108	13	2m	28m
100	114	100	114,3	4	-	<b>114 x 13</b>	114	13	2m	28m
-	-	-	125	-	-	<b>125 x 13</b>	125	13	2m	20m
125	133	125	133	-	-	<b>133 x 13</b>	133	13	2m	18m
-	-	125	139,7	5	-	<b>140 x 13</b>	140	13	2m	18m
150	159	-	160	-	-	<b>160 x 13</b>	160	13	2m	16m
-	-	-	-	-	-	<b>168 x 13</b>	168	13	2m	14m
8	10	6	10,2	1/8	-	<b>10 x 19</b>	10	19	2m	106m
10	12	-	-	-	-	<b>12 x 19</b>	12	19	2m	100m
10	15	8	13,5	1/4	-	<b>15 x 19</b>	15	19	2m	86m
15	18	10	17,2	3/8	16	<b>18 x 19</b>	18	19	2m	78m
15	19	-	-	1/2	20	<b>20 x 19</b>	20	19	2m	76m
20	22	15	21,3	1/2	20	<b>22 x 19</b>	22	19	2m	74m
20	25	-	25	3/4	25	<b>25 x 19</b>	25	19	2m	60m
25	28	20	26,9	3/4	25	<b>28 x 19</b>	28	19	2m	58m
-	-	-	-	1	32	<b>32 x 19</b>	32	19	2m	54m
32	35	25	33,7	1	32	<b>35 x 19</b>	35	19	2m	48m
40	42	32	42,4	1 1/4	40	<b>42 x 19</b>	42	19	2m	40m
-	-	-	-	-	44,5	<b>45 x 19</b>	45	19	2m	34m
-	-	40	48,3	1 1/2	-	<b>48 x 19</b>	48	19	2m	30m
50	54	-	54	-	50	<b>54 x 19</b>	54	19	2m	30m
50	57	-	57	-	-	<b>57 x 19</b>	57	19	2m	28m
-	-	50	60,3	2	-	<b>60 x 19</b>	60	19	2m	28m
-	64	-	63,5	-	63	<b>64 x 19</b>	64	19	2m	28m
-	-	-	-	-	-	<b>67 x 19</b>	67	19	2m	28m
-	70	-	70	-	-	<b>70 x 19</b>	70	19	2m	28m
65	76,1	65	76,1	2 1/2	-	<b>76 x 19</b>	76	19	2m	28m
-	80	-	-	-	-	<b>80 x 19</b>	80	19	2m	26m
80	88,9	80	88,9	3	-	<b>89 x 19</b>	89	19	2m	22m
-	-	-	101,6	3 1/2	-	<b>102 x 19</b>	102	19	2m	20m
100	108	-	108	-	-	<b>108 x 19</b>	108	19	2m	20m
100	114	100	114,3	4	-	<b>114 x 19</b>	114	19	2m	18m
-	-	-	125	-	-	<b>125 x 19</b>	125	19	2m	18m
125	133	125	133	-	-	<b>133 x 19</b>	133	19	2m	12m
-	-	125	139,7	5	-	<b>140 x 19</b>	140	19	2m	10m
150	159	-	160	-	-	<b>160 x 19</b>	160	19	2m	8m
-	-	-	-	-	-	<b>168 x 19</b>	168	19	2m	8m
8	10	6	10,2	1/8	-	<b>10 x 25</b>	10	25	2m	60m
10	12	-	-	-	-	<b>12 x 25</b>	12	25	2m	60m

Copper CU		Steel FE			Synthetics MSV & PEX		Type	A mm	B mm	Length m	Packaging unit
NW DN	Outer Ø mm	NW DN	Outer Ø mm	inch	Outer Ø mm	Outer Ø mm					
10	15	8	13,5	1/4	-	15 x 25	15	25	2m	60m	
15	18	10	17,2	3/8	16	18 x 25	18	25	2m	50m	
20	22	15	21,3	1/2	20	22 x 25	22	25	2m	42m	
20	25	-	25	3/4	25	25 x 25	25	25	2m	40m	
25	28	20	26,9	3/4	25	28 x 25	28	25	2m	40m	
-	-	-	-	1	32	32 x 25	32	25	2m	36m	
32	35	25	33,7	1	32	35 x 25	35	25	2m	32m	
40	42	32	42,4	1 1/4	40	42 x 25	42	25	2m	24m	
-	-	-	-	-	44,5	45 x 25	45	25	2m	24m	
-	-	40	48,3	1 1/2	-	48 x 25	48	25	2m	24m	
50	54	-	54	-	50	54 x 25	54	25	2m	22m	
50	57	-	57	-	-	57 x 25	57	25	2m	22m	
-	-	50	60,3	2	-	60 x 25	60	25	2m	22m	
-	64	-	63,5	-	63	64 x 25	64	25	2m	18m	
-	-	-	-	-	-	67 x 25	67	25	2m	18m	
-	70	-	70	-	-	70 x 25	70	25	2m	18m	
65	76,1	65	76,1	2 1/2	-	76 x 25	76	25	2m	18m	
80	88,9	80	88,9	3	-	89 x 25	89	25	2m	14m	
-	-	-	101,6	3 1/2	-	102 x 25	102	25	2m	12m	
100	108	100	108	-	-	108 x 25	108	25	2m	10m	
100	114	100	114,3	4	-	114 x 25	114	25	2m	10m	
-	-	-	125	-	-	125 x 25	125	25	2m	8m	
125	133	125	133	-	-	133 x 25	133	25	2m	8m	
-	-	125	139,7	5	-	140 x 25	140	25	2m	6m	
150	159	-	160	-	-	160 x 25	160	25	2m	4m	
10	12	-	-	-	-	12 x 32	12	32	2m	36m	
10	15	8	13,5	1/4	-	15 x 32	15	32	2m	32m	
15	18	10	17,2	3/8	16	18 x 32	18	32	2m	32m	
20	22	15	21,3	1/2	20	22 x 32	22	32	2m	32m	
20	25	-	25	3/4	25	25 x 32	25	32	2m	28m	
25	28	20	26,9	3/4	25	28 x 32	28	32	2m	24m	
-	-	-	-	1	32	32 x 32	32	32	2m	24m	
32	35	25	33,7	1	32	35 x 32	35	32	2m	24m	
40	42	32	42,4	1 1/4	40	42 x 32	42	32	2m	18m	
-	-	-	-	-	44,5	45 x 32	45	32	2m	18m	
-	-	40	48,3	1 1/2	-	48 x 32	48	32	2m	18m	
50	54	-	54	-	50	54 x 32	54	32	2m	18m	
50	57	-	57	-	-	57 x 32	57	32	2m	16m	
-	-	50	60,3	2	-	60 x 32	60	32	2m	16m	
-	63	-	63,5	-	63	64 x 32	64	32	2m	16m	
-	-	-	-	-	-	67 x 32	67	32	2m	14m	
-	70	-	70	-	-	70 x 32	70	32	2m	14m	
65	76,1	65	76,1	2 1/2	-	76 x 32	76	32	2m	12m	
-	80	-	-	-	-	80 x 32	80	32	2m	12m	

Copper CU		Steel FE			Synthetics MSV & PEX	Type	A mm	B mm	Length m	Packaging unit
NW DN	Outer Ø mm	NW DN	Outer Ø mm	inch	Outer Ø mm					
80	88,9	80	88,9	3	-	<b>89 x 32</b>	89	32	2m	10m
-	-	-	101,6	3 1/2	-	<b>102 x 32</b>	102	32	2m	10m
100	108	-	108	-	-	<b>108 x 32</b>	108	32	2m	8m
100	114	100	114,3	4	-	<b>114 x 32</b>	114	32	2m	8m
-	-	-	125	-	-	<b>125 x 32</b>	125	32	2m	6m
125	133	125	133	-	-	<b>133 x 32</b>	133	32	2m	6m
-	-	125	139,7	5	-	<b>140 x 32</b>	140	32	2m	6m
150	159	-	160	-	-	<b>160 x 32</b>	160	32	2m	4m
20	22	15	21,3	1/2	20	<b>22 x 40</b>	22	40	2m	22m
25	28	20	26,9	3/4	25	<b>28 x 40</b>	28	40	2m	16m
-	-	-	-	1	32	<b>32 x 40</b>	32	40	2m	16m
32	35	25	33,7	1	32	<b>35 x 40</b>	35	40	2m	16m
40	42	32	42,4	1 1/4	40	<b>42 x 40</b>	42	40	2m	16m
-	-	-	-	-	44,5	<b>45 x 40</b>	45	40	2m	14m
-	-	40	48,3	1 1/2	-	<b>48 x 40</b>	48	40	2m	12m
50	54	-	54	-	50	<b>54 x 40</b>	54	40	2m	10m
50	57	-	57	-	-	<b>57 x 40</b>	57	40	2m	10m
-	-	50	60,3	2	-	<b>60 x 40</b>	60	40	2m	10m
-	63	-	63,5	-	63	<b>64 x 40</b>	64	40	2m	10m
-	70	-	70	-	-	<b>70 x 40</b>	70	40	2m	10m
65	76,1	65	76,1	2 1/2	-	<b>76 x 40</b>	76	40	2m	10m
80	88,9	80	88,9	3	-	<b>89 x 40</b>	89	40	2m	10m
-	-	-	101,6	3 1/2	-	<b>102 x 40</b>	102	40	2m	8m
100	108	-	108	-	-	<b>108 x 40</b>	108	40	2m	6m
100	114	100	114,3	4	-	<b>114 x 40</b>	114	40	2m	6m
-	-	-	125	-	-	<b>125 x 40</b>	125	40	2m	6m
-	-	125	139,7	5	-	<b>140 x 40</b>	140	40	2m	6m
150	159	-	160	-	-	<b>160 x 40</b>	160	40	2m	4m