





TECHNICAL DATA ► M-FLEX

Brief description	Flexible elastomeric foam, closed cell insulation material	
Color	Black	
Assembly	Light weight and flexible. Closed cell structure means no additional vapour barrier is required	
Temperature range	-45°C ~ +105°C	
Thermal conductivity	$\lambda \leq 0.032 \text{ W/(m.K) at } -20^{\circ}\text{C}$ $\lambda \leq 0.034 \text{ W/(m.K) at } 0^{\circ}\text{C}$ $\lambda \leq 0.036 \text{ W/(m.K) at } 24^{\circ}\text{C}$	Tested acc. to ASTM C518, ASTM C177
Water vapour diffusion resistance	$\mu \geq 7,000$	Tested acc. to DIN 52615
Water vapor permeability coefficient	$0.17 \times 10^{-12} \text{ Kg/Pa.m.s}$	Tested acc. to ASTM E96
Water absorption (by Volume)	$\leq 0.21\%$	Tested acc. to ASTM D1056
Fire Performance, Surface spread of flame	Class 1	Tested acc. to BS 476 Part 7 1987
Self-extinguishing	V-0	Tested acc. to Class No.4924 UL 94
Non-combustible	HB	Tested acc. to ASTM D635
Sound reduction	28 dB	Tested acc. to AS 1504
Crack resistance	$\geq 2.5 \text{ N/cm}$	Tested acc. to ISO 1798:1997
Dimension stability at 105°C ± 3°C in 7 days	$\leq 4.2\%$	Tested acc. to ASTM C534
Resistance to Oil & Greases	Good	
Corrosion risk	Meet limit values	Tested acc. to DIN 1988/7
Density	50-65 kg/m ³	Tested acc. to ASTM D1667

RANGE ► M-FLEX TUBE SIZE (1.83 METERS LENGTH)

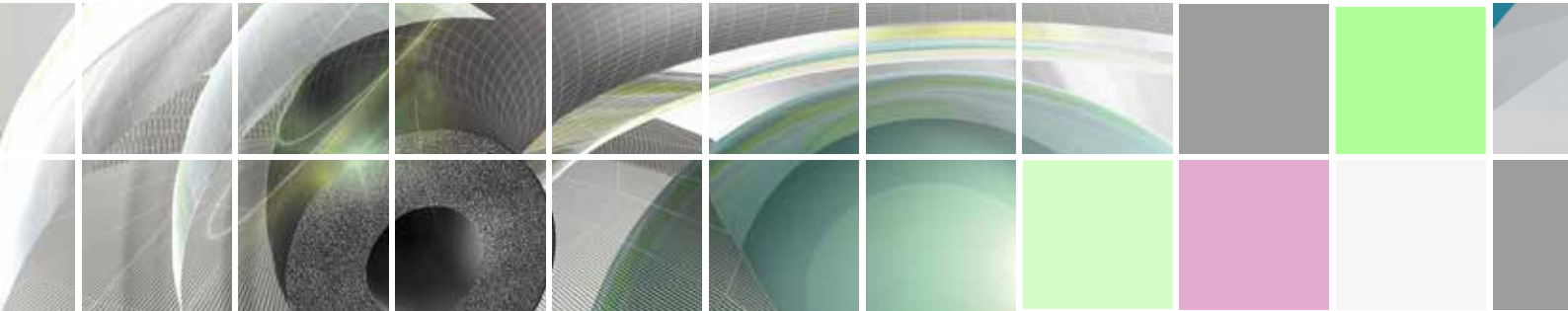
Copper Pipe		Iron Pipe		6"1/4"		9"3/8"		13"1/2"		19"3/4"		25"1"	
OC Inches	OD mm	I.P.S Inches	OD mm	Size	Pcs/ box	Size	Pcs/ box	Size	Pcs/ box	size	Pcs/ box	Size	Pcs/ box
1/4"	6					9×06	114	13×06	80	19×06	50		
3/8"	10	1/6"	10.2			9×10	120	13×10	76	19×10	40	25×10	30
1/2"	12					9×13	90	13×13	64	19×13	36	25×13	25
5/8"	15	1/4"	13.5	6×16	133	9×16	84	13×16	56	19×16	30	25×16	25
3/4"	20			6×19	90	9×19	68	13×19	52	19×19	30	25×19	20
7/8"	22	1/2"	21.3	6×22	90	9×22	64	13×22	48	19×22	30	25×22	19
1"	25			6×25	76	9×25	54	13×25	40	19×25	25	25×25	20
1"1/8"	28	3/4"	26.9	6×28	65	9×28	49	13×28	39	19×28	24	25×28	16
1"3/8"	35	1"	33.7	6×35	50	9×35	38	13×35	29	19×35	18	25×35	12
1"5/8"	42	1"1/4"	42.4	6×42	45	9×42	30	13×42	24	19×42	16	25×42	11
1"7/8"	48	1"1/2"	48.3			9×48	25	13×48	20	19×48	12	25×48	9
2"1/8"	54					9×54	23	13×54	17	19×54	12	25×54	9
2"3/8"	60	2"	60.3			9×60	23	13×60	16	19×60	11	25×60	9
3"	76	2"1/2"	76.1			9×76	20	13×76	13	19×76	9	25×76	5
3"1/2"	89	3"	88.9			9×89	18	13×89	12	19×89	7	25×89	4
4"1/2"	114	3"	114.3			9×114	11	13×114	8	19×114	6	25×114	3

RANGE ► M-FLEX SHEET ROLLS (AVAILABLE IN 1.22M WIDTH)

Thickness		Length
mm	Inches	Metres
6	1/4"	30
10	3/8"	20
13	1/2"	14
16	5/8"	12
19	3/4"	10
25	1"	8



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