



AEROCCELL

CLASS 0

NITRILE INSULATION TUBES & SHEETS

**CLOSED
CELL
ELASTOMERIC
NITRILE
INSULATION
FOAM**



PRODUCT FEATURES

- Completely closed cell elastomeric nitrile insulation.
- Quick and easy to install with no special tools.
- Flexible, durable and easy to handle.
- Excellent compression strength due to closed cell structure.
- Superior thermal insulation properties over other open or semi closed cell insulation material.
- Very high diffusion resistance and no cladding is required if installed inside.
- It is available with reinforced aluminium foil, glass cloth and self adhesive backing.
- Wide working temperature (-40°C to + 105°C).
- It meets Class 0 fire performance as per BS476 Part 6 & 7, UL94 flammability Class V-0.

AEROCELL CLASS 0 NITRILE INSULATION SHEETS/TUBES

AEROCELL is a closed cell flexible elastomeric foam made from Nitrile Rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/HCFC free and dust and fiber free. It ensures energy saving in eco friendly manner. This product meets insulation requirement in diverse fields such as the automobile, air conditioning & refrigeration industry, construction industry, pharma industry, hotel/hospital and cold storage industry.

SIZE AVAILABILITY

- 6mm, 9mm, 13mm, 19mm, 25mm, 32mm, 38mm, 40mm and 50mm wall thickness to fit all standard copper and iron pipes diameters from 6mm (¼") to 114mm (4½").
- Other size available on request.
- Tube length:** 2 mteres (6.5 ft).
- Available in special sizes and long coils on request.

Specification sheet

Technical Performance	
Temperature Range*	-40°C to 105°C
Thermal conductivity W/m.K ASTM-C-518	≤0.035 W/m²K at 10°C ≤0.036 W/m²K at 20°C ≤0.037 W/m²K at 30°C ≤0.038 W/m²K at 40°C
Water Vapour diffusion resistance Index	> 7000
Ecological Data	No asbestos, No HCFC - CFC, No Formaldehyde - Cd-Hg etc.
Cell Structure	Closed Cell
Ozone Resistance	Very Good
FM Approved	FM Approved
Odour	Negligible
Reaction to Fire a) Fire performance acc. to building regulation b) Surface flame spread c) Fire Propagation d) Rate of burning (Vertical Position) e) Practical fire behaviour	Class 0 - BS476 Part 6&7 Class 1 - BS476 Part 7:1997 I<12 & i1<6 - BS476 Part 6: 1989 Class V-0 - UL94:1997 Self-Extinguishing, does not drip and does not spread flames, - ASTM D 635-06

* For temperature below - 40°C pls consult our engineering group

AEROCELL CLASS 0 Nitrile Insulation Sheet Packing List

AEROCELL Continuous Sheets		
Sheet Thickness	Dimensions	Roll Content
6mm	1x40 m	40 sq. mtr
9mm	1x30 m	30 sq. mtr
13mm	1x25 m	25 sq. mtr
16mm	1x20 m	20 sq. mtr
19mm	1x15 m	15sq. mtr
25mm	1x10 m	10 sq. mtr
32mm	1x08 m	8 sq. mtr

3mm Sheet is available with one side skin only * Tolerance for thickness from 6mm to 19mm ± 1mm & for 25mm & 32mm ± 2mm

* Available in various lamination such as Aluminum Foil, Glass Cloth, Self Adhesive

* Tolerance for width of the sheet: 1000 ± 20mm

* Also available in 1200 mm width

AEROCELL (CLASS 0 Nitrile Insulation Tube Packing List)																			
Size-ID	6mm Thk	9mm Thk	13mm Thk	19mm Thk	25mm Thk	32mm Thk	38mm Thk	40mm Thk	50mm Thk										
mm	inch	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn	Pcs/ Crtn	Mtr/ Crtn
6	1/4	250	500	156	312	110	220	54	108										
10	3/8	200	400	120	240	80	160	40	80	25	50								
13	1/2	150	300	100	200	72	144	36	72	20	40								
16	5/8	120	240	90	180	63	126	35	70	20	40	20	40						
19	3/4	100	200	72	144	56	112	30	60	20	40	20	40						
22	7/8	90	180	64	128	48	96	30	60	18	36	18	36						
25	1	80	160	56	112	42	84	25	50	16	32	16	32						
28	1 1/8	70	140	49	98	36	72	25	50	16	32	12	24	9	18				
32	1 1/4	60	120	42	84	30	60	20	40	15	30	12	24						
35	1 3/8	60	120	40	80	30	60	18	36	12	24	12	24						
38	1 1/2			36	72	25	50	16	32	12	24	12	24						
42	1 5/8			30	60	25	50	16	32	12	24	10	20	7	14				
45	1 3/4			30	60	20	40												
48	1 7/8			28	56	20	40	15	30	10	20	10	20	6	12				
51	2			24	48	20	40	12	24	9	18	8	16						
54	2 1/8			21	42	20	40	12	24	9	18	6	12						
57	2 1/4			20	40														
60	2 3/8			20	40	18	36	10	20	9	18	6	12	4	8	4	8	4	8
63	2 1/2			20	40	15	30	10	20										
67	2 5/8			18	36	15	30	9	18	8	16	6	12						
73	2 7/8			18	36	13	26	9	18	8	16	6	12			4	8		
76	3			18	36	12	24	8	16	8	16	5	10	4	8			4	8
79	3 1/8			16	32	12	24	8	16	8	16	5	10						
89	3 1/2			16	32	12	24	6	12	6	12	5	10	3	6	3	6		
92	3 5/8											5	10						
98	3 7/8																		
102	4							4	8	5	10	4	8						
105	4 1/8																		
108	4 1/8					8	16	4	8	4	8	4	8						
114	4 1/2							4	8	4	8	2	4	2	4			2	4

Length: 2000 ± 20mm Thickness: 6mm to 19mm ± 1mm, 25mm & 32mm ± 2mm, 38mm & 40mm - ± 3mm, 50mm = ± 3mm

ID: 6mm to 32mm - +2/-0mm, 42mm to 73mm - +3/-0mm and above 73mm - +6mm/-0mm,

Note: Special sizes available on request (ID available 127, 130, 140, 150 & 165 mm in selected wall thickness)

CERTIFICATION



#SWADESHI



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Disclaimer: Although these values represent actual results achieved in tests, they should only be used as a guide. ALP Aeroflex cannot guarantee the performance of the product as all situations are different & should be treated separately. All statements & Technical informations are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the informations are appropriate for specific use intended by the recipient.