



AEROFLEX[®]

AEROCELL (NBR CLASS O) **AND** **AEROFLEX** (EPDM) **WITH ALUMINUM FOIL**



World Class Finishing



- Enhanced Fire Performance
- Superior Aesthetics
- Easy to apply
- Smooth surface-less dirt
- Very high water vapour diffusion resistance
- Durable and erosion-resistant

Technical Specification Aerocell EN Aeroflex EN		
Properties	Values	Test Method
Thermal insulation material	Closed cell elastomeric Nitrile Rubber foam	--
Material lamination	Laminated with 60 micron thk aluminum foil, 193 gsm	--
Density (Kg/M ³)	50 ± 20%	ASTM-D-1056
Thermal conductivity (k value)	0.035 w/m ² K at 10°C 0.036 w/m ² K at 20°C 0.037 w/m ² K at 30°C 0.038 w/m ² K at 40°C	ASTM C 518
Service Temperature	-40° to 105°C	ASTM C 518
FIRE & SMOKE CHARACTERISTICS		
A) Fire performance acc. to building regulation	Class 0	BS 476 Part 6 & 7
B) Surface flame spread	Class 1	BS 476 Part 7:1997
C) Fire Propagation	Total index (i) <12 and Sub index (ii) <6	BS 476 Part 6:1989
D) Rate of burning (Vertical Position)	Class V-0	UL 94-1997
E) Practical fire behaviour	Self-Extinguishing, does not drip, does not spread flames	ASTM D 635-06
Water vapour diffusion resistance index	≥60000	ASTM E-96
Ozone depleting substances (CFC/HCFC)	Not detected, No Asbestos	GC-MS
Resistance to oil & grease	Very good	--
Odour	Negligible	--
Corrosion Risk	pH (Neutral)	--
Noise Reduction	up to 35 dB (A)	--

Packing Details for AEROCELL EN Tubing Tubes:													
Size-ID		6mmThk		9mmThk		13mmThk		19mmThk		25mmThk		32mmThk	
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
6	1/4	250	500	170	340	110	220	48	96				
10	3/8	200	400	120	240	90	180	36	72	20	40		
13	1/2	150	300	100	200	72	144	30	60	20	40		
16	5/8	120	240	90	180	63	126	30	60	20	40		
19	3/4	100	200	72	144	56	112	30	60	20	40	20	40
22	7/8	90	180	60	120	42	84	24	48	18	36	18	36
25	1	80	160	50	100	42	84	20	40	16	32	16	32
28	1 1/8	70	140	50	100	36	72	20	40	16	32	16	32
32	1 1/4	60	120	42	84	30	60	20	40	15	30	12	24
35	1 3/8			36	72	30	60	16	32	12	24	12	24
38	1 1/2			30	60	25	50	16	32	12	24	10	20
42	1 5/8			30	60	25	50	16	32	12	24	10	20
45	1 3/4			28	56	20	40						
48	1 7/8			28	56	20	40	15	30	10	20	9	18
51	2			24	48	20	40	12	24	9	18	9	18
54	2 1/8			20	40	18	36	12	24	9	18	6	12
60	2 3/8			20	40	15	30	10	20	9	18	6	12
67	2 5/8			18	36	13	26	9	18	8	16	6	12
73	2 7/8			18	36	13	26	9	18	8	16	6	12
76	3			18	36	12	24	8	16	8	16	5	10
79	3 1/8			15	30	12	24	8	16	6	12	5	10
89	3 1/2			10	20	12	24	6	12	6	12	5	10

Length 1830 ± 20mm. Thickness from 6mm to 19mm ± 1mm and for 25mm & 32mm ± 2mm.
Tolerance (ID): from 6mm to 42mm +2/-0mm and above 42mm +3/-0mm
* Special Sizes available on request

AEROCELL Class O Nitrile Insulation Sheet packing list (AEROCELL Continuous Sheets)

SHEET THICKNESS	6mm	9mm	13mm	16mm	19mm	25mm	32mm
DIMENSIONS	1 x 40m	1 x 30m	1 x 25m	1 x 20m	1m x 15m	1m x 10m	1m x 8m
ROLL CONTENT SQ. MTR.	40	30	25	20	15	10	8

- * 3mm sheet is available with one side skin only
- * Tolerance for thickness from 6mm to 19mm ±1mm & for 25mm & 32 mm ±2mm |
- * Available in various lamination such as Aluminum Foil, Glass Cloth, Self Adhesive



Manufactured and Marketed by:
ALP AEROFLEX INDIA PVT. LTD.
Corporate Office: Plot No. 32, Sector-18 HUDA, Gurgaon, Haryana - 122015 (INDIA)
Telephone: +91-124-4731500 | **Fax:** +91-124-4731598, 4731599
E-mail: marketing@alpaeroflex.com | **Website:** www.alpaeroflex.com

Plant: Bilaspur Road, Opposite Govt. P.G. College, Rudrapur, Distt. Udham Singh Nagar, Uttarakhand - 244923 (INDIA)
Telephone: +91-5944-247869, 247870 | **Fax:** +91-5944-243813

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.