

# AEROCELL (NBR CLASS O) AND AEROFLEX (EPDM) WITH GLASS CLOTH



**INNER ENGINEERING PRODUCTS AND SYSTEMS PVT LTD**



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# AEROCELL & AEROFLEX WITH GLASS CLOTH

## SPECIFICATIONS AEROCELL - GC

### Technical Performance

Density	50 Kg/M3 ± 20%
Temperature Range *	-40°C to + 105°C
Thermal Conductivity W/m.K ASTM-C-518 & ISO 8301	≤ 0.035 W/m <sup>2</sup> K @ 10°C ≤ 0.036 W/m <sup>2</sup> K @ 20°C ≤ 0.037 W/m <sup>2</sup> K @ 30°C ≤ 0.038 W/m <sup>2</sup> K @ 40°C
Water vapour diffusion Resistance factor μ	≥ 11,000
Ecological Data	No asbestos, No HCFC - CFC, No Formaldehyde - Cd-Hg etc.
Glass Cloth (GSM)	200-220
Glass Cloth (GSM)	412
Adhesive Type	Acrylic - PSA
FM Approved	Yes
Cell Structure	Closed Cell
Ozone resistance	Very Good
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 - BS 476 Part 6&7 Class 1 BS 476 Part 7:1997 i<12 and i1<6 BS 476 Part 6:1989 Class V-0 UL 94:1997 Self - Extinguishing, does not drip and does not spread flames, ASTM D 635-06

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

### PACKING DETAILS FOR AEROCELL - GC TUBES

Size-ID		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
10	3/8							20	40		
13	1/2							20	40		
16	5/8					30	60	20	40		
19	3/4	72	144	56	112	30	60	20	40	20	40
22	7/8	60	120	42	84	24	48	18	36	18	36
25	1	50	100	42	84	20	40	16	32	16	32
28	1 1/8	50	100	36	72	20	40	16	32	16	32
32	1 1/4	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	15	30	12	24		
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:** 2000 ± 20mm. Thickness from 6mm to 19mm ± 1mm and for 25mm & 32mm ± 2mm.

**Tolerance (ID):** from 6mm to 42mm +2/-0mm, 42mm to 73mm +3/-0mm and above 73mm +6mm/-0mm.

**Note:** Special sizes available on request.

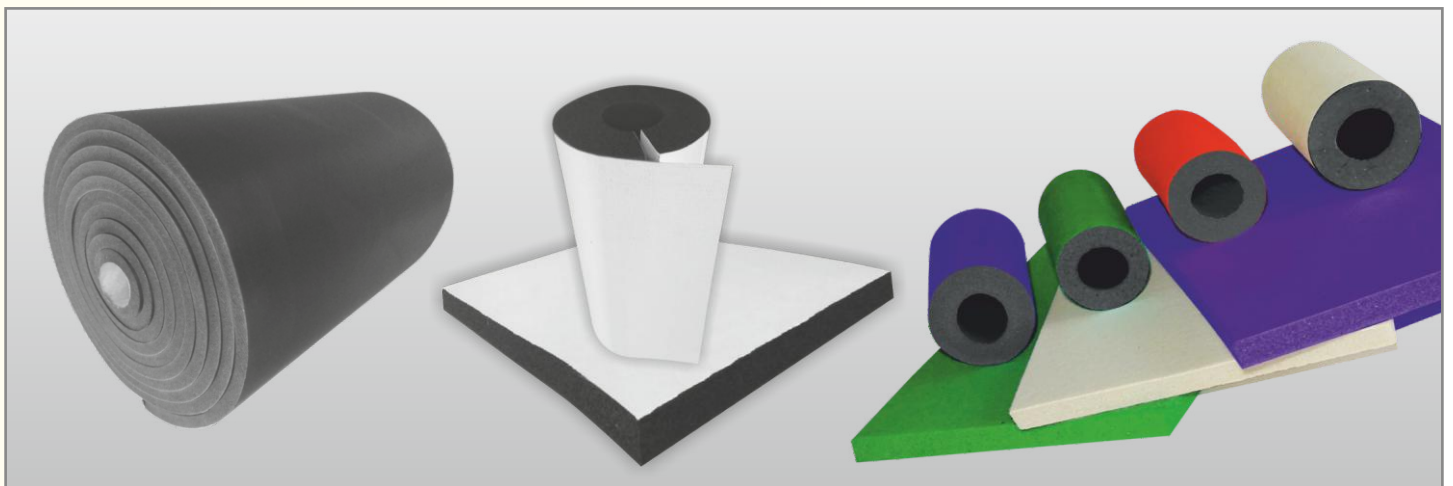
Tubes can also be available ID - 127mm, 130mm, 140mm, 165mm size as per customer requirement.

### PACKING DETAILS FOR AEROCELL - GC CONTINUOUS TUBES

Sheet Thickness * (mm)	Dimensions	Roll Content sq. mtr.	Sheet Thickness (mm)	Dimensions	Roll Content sq. mtr.
6	1 x 40m	40	19	1m x 15m	15
9	1 x 30m	30	25	1m x 10m	10
13	1 x 25m	25	32	1m x 8m	8
16	1 x 20m	20			

\* 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



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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.