



AEROFLEX[®]

UTILISATION

- Construction Industry
- Chemical & Petrochemical Industry
- HVAC
- Power Plants
- OEM
- Food Industry
- Shipbuilding / Offshore
- Pharmaceutical Industry



AEROCELL AM (Bioflex) With SILVER CLAD



INNER ENGINEERING PRODUCTS AND SYSTEMS PVT LTD



MAHARASHTRA



GOA



GUJARAT



MADHYA PRADESH



CHHATTISGARH

EXCLUSIVE AUTHORISED DISTRIBUTORS FOR WEST REGION

CONTACT US :

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BENEFITS

50% Faster | Easy to Install | Saltwater & Chemicals Resistant | UV Resistant

DESCRIPTION

Aerocell AM, the new range of anti-microbial cellular elastomeric nitrile rubber insulation from Aerocell.

The improved cell structure of Aerocell AM (Bio-flex) has improved thermal insulation properties, superior protection against microbes, fungi and bacteria and improved resistance to moisture and vapour transmission.

SIZE OF THE SHEET

Thickness (mm)	Length (Mtrs.)	Roll content with 1 mtr. Width (Sq. mtr.)	Roll content with 1.2 mtr. Width (Sq. mtr.)	Tolerance for Thickness (mm)
9	30	30	36	±1 mm
13	25	25	30	±1 mm
16	20	20	24	±1 mm
19	15	15	18	±1 mm
25	10	10	12	±2 mm
32	8	8	9.6	±2 mm
38	6	6	7.2	±3 mm
40	6	6	7.2	±3 mm
45	5	5	6	±4 mm
50	5	5	6	±5 mm

TECHNICAL DATA SHEET

S.N	Properties	Values	Test Method
1.0	Thermal Insulation Material	Closed Cell Elastomeric Nitrile Rubber Foam	--
2.0	Material Lamination	Multi Layer laminate of aluminum, coated with special UV protection and a polymer backing	--
3.0	Service Temperature	-40°C to +75°C	--
4.0	FIRE & SMOKE CHARACTERISTICS a) Fire Performance acc. to building regulation b) Surface flame spread c) Fire propagation d) Rate of burning (Vertical Position) e) Flame spread index & smoke developed index f) Other fire class	Class 0 Class 1 Total Index (I) <12 & Sub Index (i1) <6 Class V-0 25/50 B-S2-d0	BS 476 Part 6&7 BS 476 Part 7:1997 BS 476 Part 6:1989 UL 94-1997 ASTM E 84-12 EN13501-1
5.0	Density (Kg/M ³)	50 ± 20%	ASTM D-1056
6.0	Thermal Conductivity (K Value)	0.035 W/m ⁰ K at 30°C	EN-12667
7.0	Anti-Microbial Behaviour Resistance to Fungi Bacteria Resistance Test EPA Approved	No Fungal Growth No Bacterial Growth Yes	EN ISO 846:2019(A) EN ISO 846:2019(C)
8.0	Water Vapour diffusion resistance	≥60000	EN-13469-2016 & EN-12086
9.0	Ozone depleting substances (CFC/HCFC)	Not Detected & No Asbestos	US EPA 5021A
10.0	Odour	Negligible	--
11.0	Corrosion Risk	pH (Neutral)	--
12.0	Limited Oxygen Index (LOI)	35.5%	ASTM D 2863-77
13.0	Total Weight	340 g/sqm	EN 22286
14.0	Tensile Strength MD/CD	200N@15mm / 175N@15mm	EN ISO 527-3
15.0	Elongation MD/CD	48% / 51%	EN ISO 527-3
16.0	Tear Strength MD/CD	70N / 28N	EN ISO 527-3
17.0	Puncture Resistance (0.8mm/3mm)	23N / 87N	EN 14477
18.0	Water Vapour Permeability	< 0.028g/sqcm/d	ASTM F1249
19.0	Emissivity	Appx. 0.65	ASTM C 1371
20.0	Weather Resistance	Excellent	ASTM G 26A, ISO 4892-2



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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.