

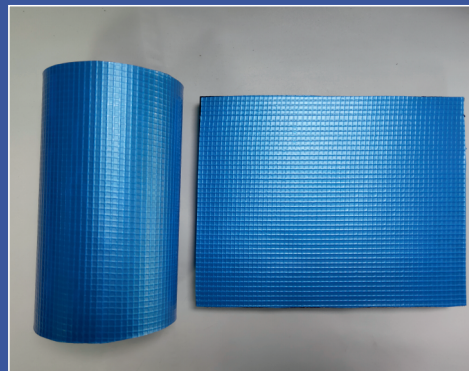
AEROCELL- DURA CLAD

AEROCELL CLASS 0 ELASTOMERIC NITRILE INSULATION FOAM WITH DURA CLAD

ADVANTAGES

- Excellent UV resistance and weathering protection
- Superior aesthetics
- Easy and faster installation with pre-covered sheets and tubes
- Good resistance to mechanical impact and scratch
- Recommended for outdoor applications
- Available with various color options

AVAILABLE COLOURS



PRODUCT DESCRIPTION

AEROCELL- DURA CLAD is elastomeric nitrile rubber insulation foam with covering of Dura clad. This is pre-covered flexible insulation system that provides effective long term weathering protection. Available with various color options. Good resistance to mechanical impact and puncture, faster installation with pre-covered sheets, tubes and better aesthetics and ease of identification with base foam declared as class 0 fire performance & FM approved.

Applications	Insulation of hot and cold water pipes, chilled water lines, heating systems, air conditioning ductwork, refrigerated pipework, process and industrial pipework and equipment, both indoor and outdoor conditions to prevent condensation, reduce energy losses, prevent mechanical damage on pipes, air ducts and vessels.
Assembly	AEROCELL- DURA CLAD can be used together with ALP Aeroflex adhesives (Aerostick, Aerostick Pro and Aerostick Pro Plus) for a complete insulation system.
Product Range	Sheets : Available in rolls of 6mm, 9mm, 13mm, 16mm, 19mm, 25mm, 32mm thicknesses with 1200mm width and above 32mm to 50mm thickness with 1000 mm width. Tubes : Available in tubes of 9mm, 13mm, 19mm, 25mm, 32mm upto 50mm thicknesses with Inner Diameter from 22mm to 150mm. Also available with Self-adhesive.

S.NO.	PROPERTIES	VALUES	TEST METHOD
1.0	Thermal Insulation Material*	Closed Cell Elastomeric Nitrile Rubber foam	-
2.0	Material Lamination	Laminated on one side with Dura Clad	-
3.0	Thickness of Dura clad (Micron)	380 ± 30	-
4.0	Foam Density (Kg/m ³)*	50 ± 20%	ASTM D 1056
5.0	Thermal Conductivity (K Value) *	≤ 0.035 W/m ² K at 0°C ≤ 0.037 W/m ² K at 20°C ≤ 0.039 W/m ² K at 40°C	EN 12667
6.0	Service Temperature*	Max. Surface Temp. +105°C Min. Surface Temp. 0°C	-
7.0	FIRE & SMOKE CHARACTERISTICS* a) Fire Performance acc. To building regulation* b) Surface flame spread* c) Fire Propagation* d) Flammability* e) Surface Burning Characteristics (FSI & SDI) *	Class 0 Class 1 Total Index (I) ≤ 12 and Sub Index (i1) ≤ 6 Class V-0, HB ASTM E 84	BS 476 Part 6&7 BS 476 Part 7:1997 BS 476 Part6:1989 UL 94 Class A / Class 1
8.0	FM Approval*	FM Approved	FM Approvals Class: 4924
9.0	Tear Strength (kN/m)	a) One direction – 125.5 b) Another direction – 121.2	DIN ISO 34-1,
10.0	Tensile Strength (MPa)	a) One direction – 25.3 b) Another direction – 20.0	ISO 527 (Pt 1)
11.0	Water Vapour diffusion resistance factor	μ ≥35000	EN 12086
12.0	Water absorption (by volume)	0.2%	ASTM C 1763
13.0	UV resistance & weathering	Very good	EN ISO 4892-2 method A & B
14.0	Galvanic corrosion	No risk	-
15.0	Resistance to mechanical impact	Good	-
16.0	Puncture Resistance (CBR Bursting Strength)	>900 N	AS 3706.4

Remarks- : Store in Clean & Dry Area (Covered) away from Direct Sunlight & Water.

*All data and technical information provided above are based on results achieved under tests certified by the respective testing authorities for base foam only and not the complete system.

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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.