

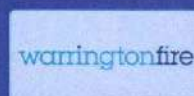
ALP AEROCELL™

CLOSED CELL ELASTOMERIC NITRILE INSULATION FOAM

ADVANTAGES

- High water diffusion resistance
- FM Approved
- Superior thermal insulation properties
- Flexible, durable and fibre free
- Excellent fire resistance
- Easy to install and handle

CERTIFICATIONS



PRODUCT DESCRIPTION

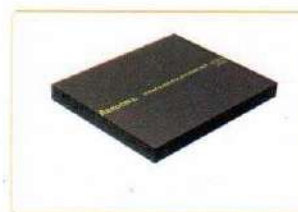
AEROCELL is a closed cell flexible elastomeric foam made from Nitrile Rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/HCFC free, dust and fiber free and ensures energy saving. This product meets insulation requirement in diverse fields such as the HVAC & R, Construction, Pharma, Hotel, Hospital, Process and Cold storage industries.

| | |
|---------------|---|
| Applications | Insulation to prevent condensation and reduce energy loss on HVAC ducts, pipes, tanks & equipments. |
| Assembly | Aerocell can be used together with ALP Aeroflex adhesives (Aerostick) for a complete insulation system. |
| Product Range | Available in plain and self-adhesive rolls (sheets) in 6, 9, 13, 16, 19, 25, 32 mm thickness of 1000 & 1200 mm wide rolls |

TECHNICAL DETAILS

| PROPERTIES | VALUES | TEST METHOD |
|--|--|-------------------|
| Thermal conductivity W/m.K | ≤ 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 |
| Water vapour diffusion resistance factor (μ) | ≥ 7000 | ASTM E 96 |
| Cell Structure | Closed Cell | |
| Temperature Range* | -40 °C to 105 °C | |
| Density (Kg/m ³) | 40 to 60 | ASTM-D-1056 |
| Ecological Data | No asbestos, No HCFC - CFC, No Formaldehyde - Cd-Hg etc. | |
| Ozone Resistance | Very Good | |
| Odour | Negligible | |
| Reaction to Fire | | |
| a) Fire performance according to building regulation | Class 0 | BS 476 Part 6 & 7 |
| b) Surface flame spread | Class 1 | BS 476 Part 7 |
| c) Fire Propagation | I<12 & il<6 | BS 476 Part 6 |
| d) Rate of burning (Vertical Position) | Class V-0 | UL 94 |
| e) Practical fire behaviour | Self-Extinguishing, does not drip and does not spread flames | ASTM D 635 |
| FM Approval | | Approved |
| Indoor air quality (VOCs) | Green guard gold certified | UL 2818 |

* For temperature below - 50 °C pls consult our technical team



DOWNLOAD
CATALOGUE



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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