

AEROCELL - GCTM



**REINFORCED WITH
GLASS CLOTH COVERING**

ADVANTAGES

- Resistance against UV and mechanical impact/ scratch
- Suitable for harsh ambient conditions
- Better aesthetics
- Easy to install and handle
- Available in 6 colors (black, blue, red, green, grey and white)
- FM Approved

CERTIFICATIONS



PRODUCT DESCRIPTION

AEROCELL-GC is a closed cell flexible elastomeric foam made from Nitrile Rubber factory laminated with 7 MIL treated woven glass cloth. 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, reduce energy losses and protection against mechanical damage on HVAC ducts, pipes, tanks & equipments.
Assembly	Aerocell-GC can be used together with ALP Aeroflex adhesives (Aerostick) for a complete insulation system.
Product Range	Sheets: Available in rolls of 6mm, 9mm, 13mm, 16mm, 19mm, 25mm, 32mm, 38mm upto 50mm thicknesses with 1000 mm width Tubes: Also available in tubes of 9mm, 13mm, 19mm, 25mm, 32mm upto 50mm thicknesses with Inner Diameter from 6mm to 150mm. Also available with Self-adhesive.

TECHNICAL DETAILS

PROPERTIES	VALUES	TEST METHOD
Thermal Conductivity (Foam)	$\leq 0.035 \text{ W/m}^{\circ}\text{K @}10^{\circ}\text{C}$; $\leq 0.036 \text{ W/m}^{\circ}\text{K @}20^{\circ}\text{C}$ $\leq 0.037 \text{ W/m}^{\circ}\text{K @}30^{\circ}\text{C}$; $\leq 0.038 \text{ W/m}^{\circ}\text{K @}40^{\circ}\text{C}$	ASTM-C-518
Water vapour diffusion resistance factor (μ)	≥ 10000	ASTM-E-96
Cell Structure	Closed Cell	
Laminate	Treated glass cloth	
Foam Density	40 to 60 Kg/M ³	ASTM-D-1056
Temperature Range*	-40 °C to 105 °C	
Ecological Data	No HCFC - CFC, No Formaldehyde	
UV Resistance (Weathering Test)	No cracks	ISO 4892-2
Reaction to Fire		
a) Fire performance acc. to building regulation	Class 0	Bs476 Part 6 & 7
b) Surface flame spread	Class 1	Bs476 Part 7
c) Fire Propagation	$I < 12$ & $\dot{m} < 6$	Bs476 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 - 40 °C please consult our technical team

Storage condition : Store in Clean & Dry Rooms (Covered) Away from Direct Sunlight & Water.

SIZE	THICKNESS	WIDTH
For Thickness 6mm To 19mm	$\pm 1 \text{ mm}$	For 1000mm: $\pm 20 \text{ mm}$
For Thickness Above 19mm To 32mm	$\pm 2 \text{ mm}$	For 1000mm: $\pm 20 \text{ mm}$
For Thickness Above 32mm To 40mm	$\pm 3 \text{ mm}$	For 1000mm: $\pm 20 \text{ mm}$
For Thickness Above 40mm To 45mm	$\pm 4 \text{ mm}$	For 1000mm: $\pm 20 \text{ mm}$
For Thickness 50mm & Above	$\pm 5 \text{ mm}$	For 1000mm: $\pm 20 \text{ mm}$

Shelf life of material with self adhesive: 6 months from date of Invoice



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 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.