

Gulf O Flex

ALUGLASS ▶

Guarantee the safety and security of any indoor environment with our best-selling rubber insulation solution. With its presence on various applications, Aluglass is a passive solution to energy efficiency. No need to actively maintain its performance – it's a self-sustaining material designed for thermal insulation. It's lightweight and flexible properties allow the material to undergo heavy stress without breakage.

It's resistance to moisture vapor, mold and mildew growth ensures that its applications have a long lifespan, less downtime and continuing efficiency.

Available in sheet and tube shape, with or without self-adhesive.



KEY FEATURES & DETAILS



HIGH FLEXIBILITY

Easily able to cover various tanks, pipes, bends, ducts, vessels, flat surfaces easily for maximum protection.



PHYSICAL PROTECTION

Minimizes heat loss for heating systems and prevents condensation for cooling systems



SUSTAINABLE

Helps systems utilize less energy, leading to less greenhouse gas emissions. CFC and HCFC free, which means they have 0 ODP (Ozone Depletion Potential)



EASY INSTALLATION

No additional steps are required to cut, bend, apply and seal for various purposes, saving time and cost



TECHNICAL DATA SHEET

DESCRIPTION

Gulf O Flex® is Flexible Elastomeric Foam made of Nitrile Butadine Rubber, from thickness 6 mm to 50 mm both in sheet (with or without self-adhesive) and in tube forms. The insulation is flexible throughout our product range. The insulation is then finished with factory applied Aluglass facing as a finish product.

TECHNICAL DATA

PRODUCT MECHANICAL PROPERTIES		
Model	GULF O FLEX® ALUGLASS	
Material	FLEXIBLE ELASTOMERIC FOAM (NBR)	
Cell Structure	CLOSED CELL	
Density	50 - 70 Kg/m ³	ASTM C 302- 13 (2022) / BS EN 1602: 2013
Thermal Conductivity (k) at 35 deg C mean temperature	0.0321 W/m-K	ASTM C518 -17
Operating Temperature Range Contact our Technical Team for applications with temperatures below (-)40°C & higher than (+)105°C	-183 °C to +105 °C	ASTM C 534
Water Absorption	0.09 vol%	ASTM C534/C534M-20/ ASTM C 209-2015
Water Vapour Transmission	0.00 Perm - in	ASTM E96 / 96M
Water Vapour Diffusion Resistance Factor (μ)	76,366	BS EN 12086:2013
FOIL PROPERTIES		
Aluminium	7 Microns	
Glass Fiber Cloth	110 GSM	
Tensile Strength	250 N/25mm	ASTM D828
REACTION TO FIRE		
Flammability	Self- Extinguishing	
Fire Rating	Part 6- Class O Part 7- Class 1	BS 476
	FSI ≤ 25 SDI ≤ 50	ASTM E 84/ UL 723



APPLICATIONS & INDUSTRIES



HOT AND COLD WATER PLUMBING

Closed cell elastomeric insulation is a necessity for pipework. It reduces heat losses when hot and prevents pipes from freezing from cold.



HVAC DUCTS

As many buildings are airtight and rely on filtered air, the ductwork needs to be insulated to ensure it continues to remove pollutants.



REFRIGERATION LINES

Adding insulation prevents water vapor contact with pipes, therefore avoiding condensation.

It's primarily used in residential & commercial properties, construction, oil & gas, and automotive industries.



