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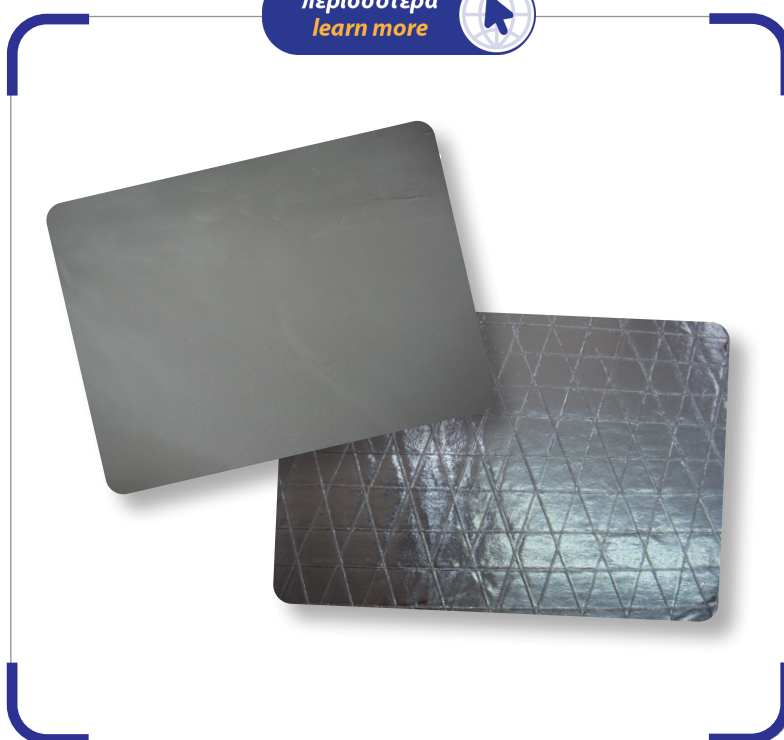
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Air-Conditioning & Ventilation Components & Systems

# ● **POLYETHYLENE FOAM AN10G**

## **WITH & WITHOUT ALUMINIUM**

περισσότερα  
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V. 4

# POLYETHYLENE FOAM AN10G

## WITH & WITHOUT ALUMINIUM

Polyethylene Foam (PE) AN10G, is a strong, resilient, **closed cell foam**, produced mainly through extrusion technologies. Its structure of small regular cells gives to the foam a number of excellent properties which make it ideal for many applications :

- As a very resilient foam, available in a number of different densities, sizes, colors and sheets.
- Its superior resistance to vibration, compression, and moisture make the foam ideal for use in Aerospace industry. It also has excellent resistance against UV and ozone and maintains its physical properties at both high and low temperatures.
- Because the foam cells are closed, the foam has good buoyancy in that the foam itself cannot become saturated with liquids causing it to sink. Uses for polyethylene in floatation applications include life jackets and other personal floatation devices.
- Polyethylene's excellent **shock absorbing abilities** make this foam a good choice as a component in athletic protective equipment.
- In **HVAC systems**, closed cell foam insulation is used as thermal insulation since it offers many benefits over fibrous insulation materials. Because the cells of Polyethylene are closed and the external surface is durable, the foam resists dirt and moisture accumulation. This has the effect of reducing potential fungal or biological pathogen growth. The surface of closed cell foam is also puncture resistant when compared to other fibrous insulation materials. In the event the surface of the foam is punctured or torn, the properties of polyethylene closed cell foam remain in tact providing an insulating material that remains resistant to moisture accumulation.

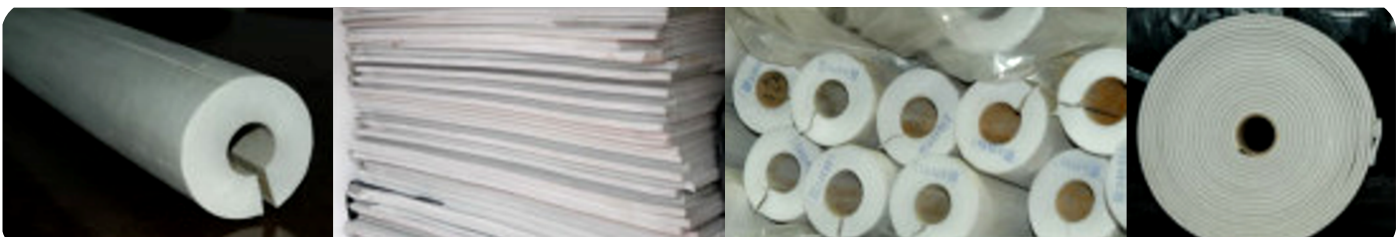
Polyethylene foam is manufactured with thickness : 5, 10, 15, 20, 25, 30 mm.  
Polyethylene foam with aluminium is reinforced with grid.



**CE CERTIFIED**  
according to **EN 16069:2012+A1:2015**

TECHNICAL SPECIFICATIONS			TEST METHOD	
Tensile Stress	kPa	212	GB/T6343-1995	
Temperature Range	°C	- 50 ÷ 90		
Density*	kg/m <sup>3</sup>	30		
Fire Rating		B1	GB8624-1997	
Oxygen Exponent	%	36,1		
Smoke Density	%	50		
Heat Conductivity K-Value at	- 20 °C	W/(mxK)	GB3399-1988	
	0 °C			< 0,036
	+ 10 °C			< 0,038
	+ 40 °C			0,0327
Heat Conductivity Coefficient	g/(MxSxPa)	≤ 2,4 x 10 <sup>-10</sup>	GB/T17794-1999	
Water Vapor Resistance Factor μ		> 3.500	DIN 52615	
Water Absorption in vacuum	g/cm <sup>3</sup>	0,0019	GB/T1034-86	
Dimension Stability 70 °C ± 3 °C, 48 h	%	0,66	GB/T8811-1988	
Rebound Rate after Compression	%	96	Q/(GZ)HD1-2003	
Tear Resistance	N/cm	3,3	GB/T10808-1989	
Ozon Endurance 202 mPa, 200 h		No chaps	GB/T17794-1999	
Aging Resistance 150 h		No wrinkles, no cracks no pinholes, no distortions		

\*Density of 40 kg/m<sup>3</sup> available under request.





ISO 9001:2015



ISO 14001:2015

Management System  
ISO 14001:2015  
Valid until:  
2024-05-24



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