

AEROFOAM[®]-XLPE




*Polyolefin Thermal Insulation Foam
Cross-Linked Closed Cell*

ASTM E84

CLASS 0

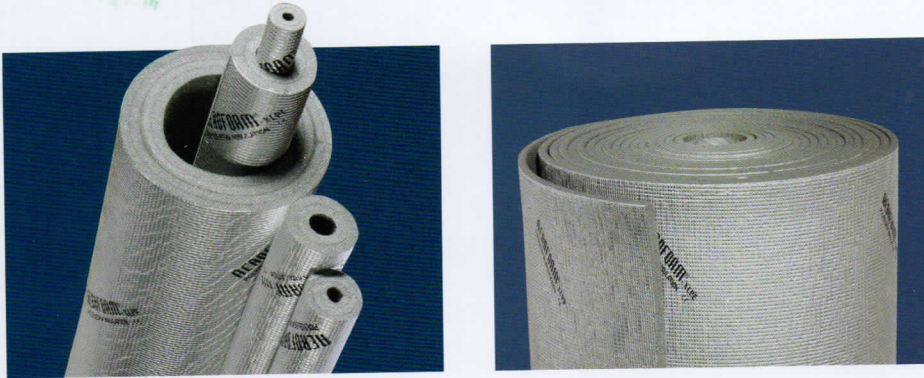
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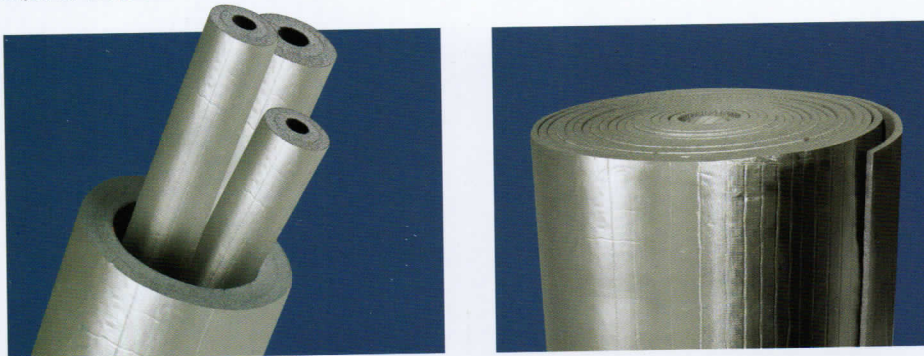
AEROFOAM® XLPE TUBES & ROLLS

Aerofoam XLPE rolls, sheets and tubular shapes are made of closed-cell cross-linked polyolefin thermal insulation foam designed to control condensation and energy losses in cooling and heating systems.



AEROFOAM® N CLAD TUBES & ROLLS

Aerofoam XLPE N CLAD has been designed in sheets, rolls and tubular shapes especially for outdoor applications, additional protection such as aluminum or steel jacketing, paints, canvas cloths or similar products are not required. Aerofoam XLPE N CLAD is UV-resistant and weather resistant.



APPLICATIONS



AERO-FITTINGS

Pre-fabricated Aero-fittings are made in different shapes such as 90 and 45 degrees Elbows, Tees and Y-Branches.



AEROFOAM® TAPES



Aerofoam Tape
N CLAD

Aerofoam Tape
XLPE Foam

Aerofoam Tape
Aluminum/Alupet

AEROFOAM® XLPE GLUE



AEROCALC

Calculation software is a tool for consultants, architects and engineers, available as desktop, iphone and android applications.



Scan QR code
to download
desktop app



TECHNICAL DATA

Description: Flexible closed cell thermal insulation material with high water vapor diffusion resistance and low thermal conductivity.

Material: Cross linked polyolefin foam with density of $25 \pm 3 \text{ kg/m}^3$ (foam core only) and gray color.

Self-adhesive coating: Pressure sensitive adhesive coating.

Applications: Thermal insulation/protection for pipes, air ducts, vessels (incl. elbows, fittings, flanges, etc.) and process equipment to prevent condensation, save energy and block sound propagation.

Property	Value/ Assessment	Tested acc. to:
Temperature range Max. line temperature Min. line temperature <i>Please consult our technical team for applications with temperatures below -40 °C.</i>	105 °C -80 °C	DIN EN 14706 ASTM C411
Thermal conductivity λ[W/(m•K)]	0.032 - 0.035 • (23 °C - 45 °C)	ASTM C518
Water vapor diffusion resistance factor (μ)	54,700	BS EN 12086
Water vapor permeance [perms]	2.15×10^{-10} (g/m ² .s.Pa)	ASTM E96
Water absorption [Kg/m²]	0.05 0.00008	BS EN 12087 JIS K6767
Reaction to fire	Class 0 Class A *FM Certificate HF-1 0,0,0,1 Passed	BS 476 Parts 6&7 ASTM E84 FM Global UL 94 AS1530.3 DIN EN 13501-01
Smoke and toxicity 1. Smoke toxicity levels 2. Toxic smoke	Passed Complied	IMO MSC 61(67); A.1,P.2 &P.5 BS 6853
Formaldehyde content	<0.0016ppm	EN 717-1
UV resistance**	Excellent	ASTM G155
Resistance to corrosion (Salt fog test)	Excellent	ASTM B117
Compression set	35.77% (for 25mm) 34.22% (for 32mm)	ASTM D3574
Resistance to fungi	Zero growth	ASTM G21
Resistance to bacteria	Zero growth	ISO 22196
Chemical analysis (Leachable ions)	Very low	ASTM C871
Emission (VOC level) Lead support	<4 μg/m ² /hr	ASTM D5116
Environment friendly Ozone resistance Ozone Depletion Potential (ODP) Global Warming Potential (GWP) CFC & HCFC, dust, fibres & asbestos	Excellent 0 <5 Free	

* FM approved products available.

** XLPE foam is generally resistant to UV radiation. However, for all outdoor applications XLPE insulation must be covered with weather resistant Aerofoam N-Clad finishing.

Disclaimer: This information on Hira Industries products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.