

THERMOTOS[®]-HD

THERMAL FOAM INSULATION

**HIGH-STRENGTH
EXTERNAL
INSULATION**

XLPE CLOSE CELL, CHEMICALLY CROSS LINKED POLYOLEFIN FOAM
INSULATION WITH HIGH-STRENGTH EXTERNAL INSULATION.

THERMOTOS®-HD

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Thermotos Cross-linked polyolefin Heavy Duty Insulation is an advanced external aluminum protective covering, engineered for superior durability and resilience. It delivers outstanding resistance to mechanical impacts, UV radiation, leaks, and corrosion in pipes or ducts.

Thermotos Cross-linked polyolefin Heavy Duty Insulation is your innovative dual-purpose solution, providing exceptional energy efficiency along with reliable protection against harsh weather conditions. This state-of-the-art insulation ensures optimal HVAC system performance while safeguarding against environmental wear and tear



TECHNICAL SPECIFICATION

Material:	XLPE / Chemically Cross-linked Closed Cell Polyolefin Foam
Reinforced/Covering	High-Strength External Cladding
Density: (ASTM C302)	25 kg/m ³ (core foam only) (custom density by request & confirmation)
Temperature Range: (ASTM C534)	-80 °C to +100 °C
Heavy Duty Film	-25 °C to +70 °C
Thermal Conductivity (ASTM C518)	0.032 W/mK (@23°C mean Temp)
Fire Rating: (BS 476 part 6 & 7)	Class-O
Flame Spread and Smoke Developed indices: (ASTM 84)	COMPLIES (NFA 255 / UL 723 / UBC 9-1), Flame Spread Index 5(<25) Smoke Developed Index 20 (<50)
Resistance to fungi: (ASTM G21)	Zero Growth (Result Test: 0)
Thickness	250µm
Film Weight (EN 22286)	340g/m ²
Film Puncture (EN 14477)	Φ0.8mm =23N Φ2.0mm =87N
UV Resistance ISO 4892-2	Excellent
Weather Resistance ISO 4892-2	Excellent
Oil & Gass Resistance ASTM D471	Very Good

AVAILABLE DIMENSIONS:

>12 mm	1.2mm	20mm	24m 2 Roll
>15 mm	1.2mm	20mm	24m 2 Roll
>20 mm	1.2mm	12mm	14.4m 2 Roll
>25 mm	1.2mm	04mm	4.8m 2 Roll
>30 mm	1.2mm	2mm	2.4m ² SHEET
>40 mm	1.2mm	2mm	2.4m ² SHEET
>50 mm	1.2mm	2mm	2.4m ² SHEET

PREFORMED TUBE

Nominal Wall Thickness	Min ID (in)	Max ID
15 mm	10mm	273mm
20 mm	10mm	273mm
25 mm	10mm	273mm
30 mm	10mm	273mm
40 mm	10mm	219mm
50 mm	10mm	219mm

ID Sizes up to 500mm available on request
*Other sizes available on request

Notice: The details presented for THERMOTOS products are accurate and dependable to the best of our knowledge. All information serves as a reference and may be revised without prior notice. It does not constitute a warranty for specific product features or form a legally binding agreement.

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