

THERMO-MAXX[®]

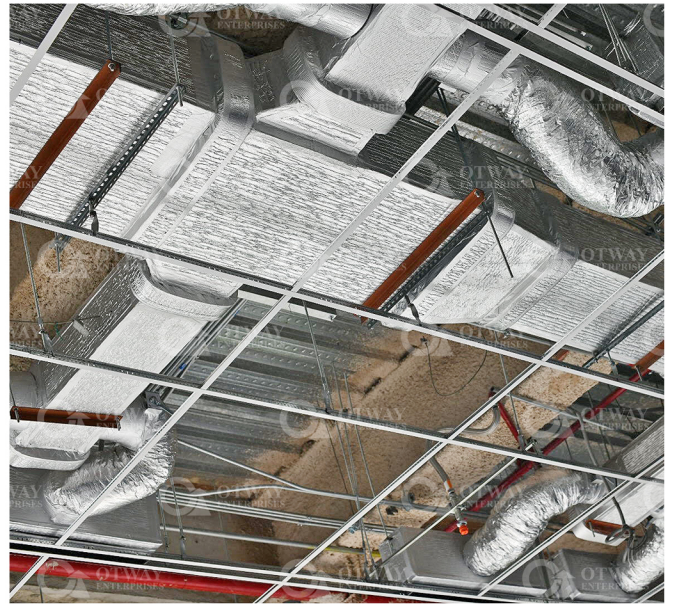
POLYOLEFIN INSULATION



High-Performance Polyolefin
Foam Insulation – The Trusted
Choice of HVAC Engineers and
Building Industry Experts.

Crosslinked Polyolefin Insulation

The closed cell, crosslinked and semirigid THERMO-MAXX sheet is low in thermal conductivity and thus suitable for heat insulation. It's non-hygroscopic feature present consistent heat insulating properties and is excellent in preventing dew formation caused by differences in temperatures. Its capability of easy fabrication and closed adhesion to ducts makes this foam an excellent choice for any shape of duct covering.



Tube Insulation

Round type of foam designed for all the Tube Insulation, it can be bare or with foil. It can be used at temperature up to 120°C and suitable for all piping except steam lines and can be easily converted and fabricated into any shape.



Available Sizes

THICKNESS	WIDTH	LENGTH
10mm - 75mm	6mm - 100mm	2m
25mm - 75mm	100mm - 600mm	1.2m

(+2mm TOLERANCE VALUE)

Available Sizes

THICKNESS	WIDTH	LENGTH
12mm	1.2m	20m, 25m
15mm	1.2m	20m, 25m
20mm	1.2m	20m, 25m
25mm	1.2m	15m, 20m, 25m

(±1mm TOLERANCE VALUE)

Gasket

It is an excellent polyolefin laminated material use for duct insulation as an effective seal against water, dust air, noise, and vibration as well as being used for bonding together of a variety of materials.



Available Sizes

THICKNESS	WIDTH	LENGTH
5mm	20mm	10m
5mm	25mm	15m
5mm	50mm	10m

(±1mm TOLERANCE VALUE)

TECHNICAL DATA

PRODUCT IDENTIFICATION

Brand Name	THERMO-MAXX
Product Name	Cross Linked Polyolefin, PE
Chemical Family	Polyethylene

PROPERTIES

25 TIMES EXPANSION

Density	0.028 g/cm ³
Tolerance	0.004
TENSILE STRENGTH	
Length	2.5 kgf/cm ²
Width	1.8 kgf/cm ²
ELONGATION	
Length	120%
Width	110%
TEARS STRENGTH	
Length	1.3 kgf/cm
Width	1.2 kgf/cm
Hardness CV-Type (degree)	13

PHYSICAL PROPERTIES

VALUE

Density	28 kg/m ³
Color	Gray/Natural
Thermal Conductivity @ 10°C	0.031 W/mk
Thermal Conductivity @ 40°C	0.035 W/mk
Temperature Limit °C	-70 Cup + 120°C
Water Absorption	0.000073 g/cm
Water Vapour Permeability	Below
Ozone Resistance	Excellent
Thermal Stability 22 hrs 70°C	L 20%
Shrinkage (%)	W 0.5%
Average Spread of Flame	Class 1
Average Time of Burning	Less Than 5 Secs
Average Extend of Burning	Minor
Flexibility	Excellent
Weather and Ultraviolet Rays	Excellent
Chemical Resistance	Excellent
Odour	None
Mildew Resistance	None Fungal Growth

THERMO-MAXX[®] Advantages



Excellent Heat Insulation & Low in Moisture Permeability

The closed cell structure of THERMO-MAXX promotes extremely low thermal conductivity for excellent heat insulation and low vapor permeability to maintain heat insulating properties over a long period of time.



Dew Prevention

As a superior thermal insulating and semigridd foam THERMO-MAXX exhibits close adhesion to piping and thus is very effective in dew free application.



Consistent Durability

Since polyethylene is being used as the base material of THERMO-MAXX, this foam can last up to twenty years.



Non-Flammable

Non-flammable grade is also available with THERMO-MAXX its fire retardant capability makes it unique to other kind of foam.



Green Building Approved

THERMO-MAXX is safe from the health and environment. It does not emit volatile organic compound and it is CFC/HCFC free does not contribute ozone depletion.



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