

# GoFlex<sup>®</sup> - XLPE

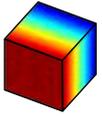
CLOSED CELL POLYOLEFIN THERMAL INSULATION

The ideal insulation for air conditioning, refrigeration and plumbing systems.

Significant cost savings by using GoFlex<sup>®</sup> to reduce energy loss and prevent condensation.



## Features



### THERMAL CONDUCTIVITY

GoFlex<sup>®</sup> XLPE cross-linked closed cell polyolefin thermal insulation foam has a unique closed cell structure which offers the material a very good and stable thermal performance through a low Lambda ( $\lambda$ ) value.



### EASE OF INSTALLATION

GoFlex<sup>®</sup> XLPE cross-linked closed cell polyolefin thermal insulation foam is quick and easy to install. They are suitable for low and high temperature applications like HVAC&R.



### ENVIRONMENT FRIENDLY

GoFlex<sup>®</sup> XLPE cross-linked closed cell polyolefin thermal insulation foam is CFC and HCFC free, fiber free, dust free and resistant to mold and fungi growth. It has very low ODP (Ozone Depletion Potential) and GWP (Global Warming Potential).



## Technical Data

Temperature range Max. line temperature Min. line temperature	105 °C (80 °C with PSA*) -40 °C
Thermal conductivity at 23 °C	0.038 W/m·K
Density	25 kg/m³ (±3kg/m³)
Water absorption	0.05 kg/m²
Reaction to fire	BS 476 part 7, Class 1
Shelf life Store in a dry, clean and ventilated place. Do not expose to direct sunlight.	1 year for self-adhesive sheets/rolls, self-adhesive tapes

### Applications:

Thermal insulation/protection for pipes (including elbows, fittings, flanges, etc.), air-conditioning, heating, refrigeration and process equipment to prevent condensation and save energy.

### Accessories:



XLPE Glue



Alupet Tape

**Note:** All outdoor applications of GoFlex® XLPE foam need to be protected by GoFlex® approved paint or cladding.

\*PSA - Pressure Sensitive Adhesive

## GoFlex® XLPE Tubes - Size Range

GoFlex® XLPE Tubes										
Copper Pipes		Steel Pipes		GoFlex® XLPE						
VRF & Refrigeration		CWP & Plumbing		Tubes Sizes						
Outer Diameter		Outer Diameter		Inner Diameter		Thickness				
Inch	mm	Inch	mm	Inch	mm	10 mm (3/8")	12 mm (1/2")	15 mm (5/8")	20 mm (3/4")	25 mm (1")
1/4"	6.35			1/4"	6.00	10x06	12x06	15x06	20x06	25x06
3/8"	9.52			3/8"	9.00	10x09	12x09	15x09	20x09	25x09
1/2"	12.70	1/8"	10.30	1/2"	12.00	10x12	12x12	15x12	20x12	25x12
5/8"	15.90	1/4"	13.70	5/8"	16.00	10x16	12x16	15x16	20x16	25x16
3/4"	19.10	3/8"	13.70		19.00	10x19	12x19	15x19	20x19	25x19
				3/4"	20.00	10x20	12x20	15x20	20x20	25x20
7/8"	22.20	1/2"	21.30	7/8"	22.00	10x22	12x22	15x22	20x22	25x22
1"	25.40			1"	25.00	10x25	12x25	15x25	20x25	25x25
1-1/8"	28.60	3/4"	26.70	1-1/8"	28.00	10x28	12x28	15x28	20x28	25x28
				1-1/4"	32.00	10x32	12x32	15x32	20x32	25x32
1-3/8"	34.90	1"	33.40	1-3/8"	35.00	10x35	12x35	15x35	20x35	25x35
				1-1/2"	40.00	10x40	12x40	15x40	20x40	25x40
1-5/8"	41.30	1-1/4"	42.20	1-5/8"	43.00	10x43	12x43	15x43	20x43	20x43
1-7/8"	48.00	1-1/2"	48.30	2"	50.00	10x50	12x50	15x50	20x50	25x50
2-3/8"	60.30	2"	60.30	2-3/8"	60.00	10x60	12x60	15x60	20x60	25x60
		2-1/2"	73.00	3"	75.00	10x75	12x75	15x75	20x75	25x75
3"	76.00				77.00	10x77	12x77	15x77	20x77	25x77
3-1/2"	89.00	3"	88.90	3-1/2"	90.00	10x90	12x90	15x90	20x90	25x90
					110.00	10x110	12x110	15x110	20x110	25x110
4-1/2"	114.00	4"	114.30	4-1/2"	115.00	10x115	12x115	15x115	20x115	25x115

Length of tubes: 1.5 m, ±20 mm

ID tolerance: ≤6 mm-50 mm: -1 mm, +1.5 mm; 60-115: -1.5 mm, +2.5 mm

Thickness tolerance: 10-25 mm: ±1.5 mm

## GoFlex® XLPE Rolls - Size Range

Thickness		GoFlex® XLPE Rolls		
Inch	mm	WxL m	Without Self-adhesive	With Self-adhesive
1/8"	3	1.2mx20m	3 AL	3 SA-AL
1/4"	5	1.2mx20m	5 AL	5 SA-AL
3/8"	10	1.2mx20m	10 AL	10 SA-AL
1/2"	12	1.2mx20m	12 AL	12 SA-AL
5/8"	15	1.2mx20m	15 AL	15 SA-AL
3/4"	20	1.2mx20m	20 AL	20 SA-AL
1"	25	1.2mx10m	25 AL	25 SA-AL

Thickness tolerance: 3-5 mm: -1 mm, ±1.5 mm; 10-25 mm: ±1.5 mm

Length tolerance: ±50 mm

Width tolerance: ±20 mm

**Note:** Other sizes (diameters and thicknesses) are available upon request.

**Disclaimer:** This information on Hira Manufacturing 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.

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