

## Cross-Linked

Thermal Insulation Foam

**CODI Mexico** specializes in commercialization and distribution of high-performance cross-linked polyethylene foam. Our products are unique position to offer chemically cross-linked, irradiated, micro-cellular cross linked, and laminate cross-linked polyethylene foam. Ours Brands are the preferred choice for applications that require die cutting, lamination, welding, thermoforming, and others, due to the foam`s superior consistency.

### Product Introduction

XPE or IXPE double sides laminated with aluminum foil, with advanced thermal performance. Reflecting up to 95% radiant heat, allowing for cooler internal conditions in hot and humid climates, also it has great property of flame retardant.

### Product Features

- Moisture barrier, waterproof, heat insulation, energy saving.
- Light, soft, dust-free, flame retardant, easy cutting and installing.
- No odor, environmentally friendly
- Low thermal conductivity and excellent heat insulation s& thermal insulation
- Keep warmer in winter, cooler in summer.

### Product Range

- Foam Density: 28 to 33 kg/m<sup>3</sup> (or customized)
- Dimension: 4mm\* 1350mm\*40mts (or customized)
- Color: grey, black, White
- Usage: Roof, Wall, Floor
- Structure: Aluminum foil + XPE + Aluminum foil/ Aluminum foil + IXPE + Aluminum foil ( or customized-e.g. woven fabric aluminum foil )

## Technical Parameters XPE/XLPE HAVC Insulation Foam\*

Property	Standard	Unit	Value	
Density	-	Kg/m3	33.33	
Tensile Strength	ISO-1798	MPa	Transverse	0.25~0.27
			Longitudinal	0.32~0.32
Elongation	ISO-1798	%	Transverse	137.40~141.20
			Longitudinal	159.70~166.00
Tearing Strength	ISO-8067	Kn/m	Transverse	1.28~1.33
			Longitudinal	1.38~1.40
Compression 20%	ISO-3381-1	kPa	36.4	
Compression 40%	ISO-3381-1	kPa	62.4	
Compression 50%	ISO-3381-1	kPa	95.2	
Compression Set 25% 0.5 H	ISO-1856	%	19.1	
Compression Set 25% 24 H	ISO-1856	%	4.1	
Operating Temperature Range	Internal	°C	(-40~+80)	
Water Absorption % Volume (maximum)	Internal	%	0.5	
Thermal Conductivity	JISA 1412-2	W/mK	0.032	
Shore- C	ASTM D2240	°C	22	

\*Testing done according to ASTM D3575 & ASTM C177 (thermal conductivity) standards. Test methods available upon request. All data is typical and not to be considered specification values. CODI MEXICO cannot predict or control the different conditions under which this information and our products may be applied. Therefore, we do not guarantee the applicability or the suitability of our foam nor the accuracy of this information. There is no warranty either expressed or implied on our products. Buyer assumes all responsibility for loss or damage arising from the use of our products, whether done accordance with direction or not. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Users of our products should perform testing to determine their efficiency and suitability prior to use.