

**GOLDCOIN**[®]

TECHNICAL DETAILS

FIRE RETARDANT CLOSED CELL CHEMICALLY CROSS-LINKED POLYETHYLENE

Product Name	XLPE FOAM		
Material Description	Fire Retardant Closed Cell Chemically Cross-Linked Polyethylene		
Material Form	Rolls, Sheets and Tubings		
Application	Thermal & Acoustic Insulation		
Areas of Application	A/C & Humidification ducts, Spandrel Insulation, Underdeck, Hot & Cold water pipelines & acoustic flooring		
Operating Temperature	-40° C to + 115 °C		
Colour	Grey, Black		
Nominal Density (Kg/m³)	30 Kg/m ³		
Thermal Conductivity (W/m²K)	Mean Temperature (°C)	W/m²k	K Cal=hr m²c
	0	0.0315	0.0271
	23	0.325	0.0279
	46	0.0383	0.0329
Water Absorption % by weight after 28 days (As per ASTM D 3575)			4.35
Water Vapour Transmission Rate for Bare Foam in gm/m² mm of Hg.hr (As per ASTM E 96)			0.37
Tensile Strength (N/m²)			27
Tear Strength (N/m)			22
Compression (N/m²)			2.9
Thermal Stability at 50 °C for 48 Hrs.	No visible changes observed		
U.V. Weather resistance at 60 °C for 100 Hrs/ Exposure to Weatherometer	No visible changes observed		
Oxygen Index, % (As per ASTM D 2863)			29
Fire Characteristics	Conforms to BS 476 Part 7 Class '1' for surface spread of Flame and also UL 94 HBF grade		
Ozone Resistance for 48 Hrs at 50 °C at 50 pphm	No visible changes observed		
Fungus Resistance (As per ASTM G 21)	No visible growth observed Rating - Zero		
Sound Transmission Class (9mm SIL-XL-C Laminated with 12 mm Gypsum Board)			40 dB

Note:

1. Material available in thicknesses of 3mm to 12mm in single layer with 1250mm width and over 12mm in 1220mm width
2. Material lamination with U.V. Barrier film, Met Pet and Aluminium foil is available on request.
3. Material with adhesive backed peel off paper is available on request.

Disclaimer - "The information contained in this technical data sheet is given in.... faith. The values given here are typical average values and are believed to be correct to the best of our knowledge, however this is user's responsibility to determine suitability of application. Goldcoin Industries Pvt. Ltd. makes no guarantee of results and assumes no obligation of liability in connection with this advice."

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