



MATERIAL SAFETY DATA SHEET

Section 1

Chemical Name: LOW DENSITY POLYETHYLENE FOAM

Synonyms: L.D.P.E.

Product Identification: Flexible L.D.P.E.

higher L.D.P.E. sheeting supplied in rolls, thickness of 2mm and +/- 950mm wide to any lengths up to 100mm.

Section 2

Hazard Classification: Our product is inert and does not present any health risk and could be stored wherever convenient.

Section 3

Material Usage: Sheeting is used for a variety of applications which include Protection, insulation and building requirements such as timber foam underlay.

SECTION 4

Mechanical properties of thermotec Sheet insulation

LOW DENSITY POLYETHYLENE

Density Kg/m ³	ASTMD1667	45kg/m ³ -60kg/m ³
Cell Structure		Closed Cell
Colour		White
Thermal Conductivity	DIN52612	0.31 W (M-K)
BTU/FT.F°	ASTMC335	0.022BTU
Temperature Range		-40°C to +90°C
Water Vapour Diffusion	DIN52615	H>3.5%
Resistance	ASTME96	0.0022g/m ² HMM H6
Water absorption		
After 28 days	DIN53434	>1.72%
U.V. resistance Weather ability		Requires P.V.A. coating. Withstands All elements except U.V.
Odour		None
Chemical Resistance	ASTM543.56T	Excellent. Will resist most common acids/chemicals including oils
Thermal Stability	93°C AST, C548 200F	-3.5% in length -2.0% in diameter
Ozone resistance	ASTMD1171	Excellent
Fire Classification	ASTME84 NEN3883	Class A Class A
Flammability	DIN 4102	Class B1
A.S 1530/3	Test No. 17420853	A.W.T.A. – NATA Approved
Suitable for Class II > Class VIII Building		
Flame Resistance		Self Extinguish (flame retardant added)
Toxicity in fire		99% C.02 H20
Sound Absorption	DIN4109	Complies the norm – 20% reduction
Rodent/Pest		Contains no food source or nutrients