



INDUSTRIAL ENTERPRISES (Pvt) LTD

6-N, INDUSTRIAL AREA, GULBERG II, LAHORE, PAKISTAN

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TECHNICAL DATA SHEET FOR THERMOPORE® EXPANDED POLYSTYRENE [EPS] INSULATION SHEETS - 40KG/M³ DENSITY – TYPE XIV

Property	Test	Unit	Value
Nominal Density (nominal)	ASTM C303	Kg/m ³	40.0
Thermal Resistance [R-value per inch]	ASTM C578	(hr.ft ² .°F)/BTU	5.80
U-Value [per inch]	ASTM C578	BTU/(hr.ft ² .°F)	0.172
Thermal Conductivity [k-value]	ASTM C578	W/m.K	0.0241
Compressive Strength [10% deformation]	ASTM D1621	Psi kPa	42 – 45 Psi 290 – 310 kPa
Flexural Strength [minimum]	ASTM C203	Psi	79
Water Absorption [maximum]	ASTM C272	% of volume	<2.0%
Water Vapour Permeance	ASTM E96	Perm. 1 inch	<1.0%
Dimensional Stability	ASTM D2126	%	2%
Fire Rating (if FR Grade)	ASTM E84	-	Class A
Flame Spread (if FR Grade)	ASTM E84	mm	<25
Smoke Index developed (if FR Grade)	ASTM E84	-	<300

THERMOPORE®, **THERMOPORE-BLUE®**, **THERMOSPRAY®** and **THERMOBOARD®** are our registered trademarks

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