



# TECHNICAL DATA SHEET

## TECHNICAL DATA

## TEST STANDARD

## UNIT

## TROCELLEN HEATPRO

### BARE FOAM

Density		ISO 845	Kg/m <sup>3</sup>	33
Tensile Strength	Longitudinal	ISO 1798	Mpa	0.28
	Transversal		Mpa	0.19
Elongation At Break	Longitudinal	ISO 1798	%	100
	Transversal		%	120
Compression Stress Strain At Deflection	10%	ISO 3386	KPa	10
	25%		KPa	32
	50%		KPa	83
Compression Set (22h 25% 23°C) After Compression Release	24hr	ISO 1856	%	<10
Water Absorption		JIS K 6767 Method B	g/cm <sup>2</sup>	0.000084

### FOAM LAMINATED WITH REFLECTIVE FOIL

Tear Strength	Longitudinal	DIN 53507	N/mm	0.9
	Transversal		N/mm	0.9
Operating Temperature Range		-	°C	-40 to 100
Dimensional Stability		DIN 53431	°C	100
Emissivity Of Foil Face		ASTM C 1371	-	≤0.05
Thermal Conductivity	0°C	JIS A 1412-2	W/mk	0.032
	23°C			0.035
	40°C			0.037
Noise Reduction Coefficient		ASTM C 423	-	0.1
Ozone Depleting Substances (Namely CFCs, HCFCs, HBFCs)		US EPA 5021A (MDL 1PPM)	-	Not Detected
Green Star Specification - Total VOC Emission Rate		ASTM D 5116	-	Low VOC Emitting (<0.5mg/m <sup>2</sup> /hr)
Volatile Organic Compounds (VOCs)		US EPA 5021A (MDL 1PPM)	-	Not Detected
Resistance To Fungi		ASTM G 21	-	Zero Growth

### FIRE BEHAVIOUR

Fire Rating		BS 476 Part 6 & 7	-	Class 0
Burning Test		UL 94	-	HF-1
Burning Test - Flame Spread And Smoke Developed Index		ASTM E 84	-	Class A
Ignitability Index		AS/NZS 1530.3	-	0
Spread Of Flame Index				0
Heat Evolved Index				0
Smoke Developed Index				1
Maximum Specific Optical Smoke Density		ISO 5659-2	-	Ds(Max) < 50

The data and information represented above are intended as general guide only and are not construed as specification limits.

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