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## STYROFOAM™ RTM

[Printer-Friendly View](#)

**STYROFOAM™ RTM** Insulation is recommended as a core material in sandwich panels for the walls, floors, roofs and doors in refrigerated trucks and containers.

Board Size(length x width, mm)	2500 x 600, 2500 x 1200
Thickness (mm)	25, 40, 50, 60, 75, 80, 100, 120
Edge Treatment	Butt edge
Surface	Planed w/ Groove, Planed w/o Groove

### Related STYROFOAM™ Products

[STYROFOAM HD300](#)

PROPERTIES	STANDARD	UNIT	STYROFOAM RTM
Density (minimum)	BS4370: Method 2	kg/m <sup>2</sup>	40
Thermal conductivity (90 days, 10°C)	BS4370: Method 7	W/mK	0.025
Compressive strength at 10% deflection	BS4370: Method 3	kN/m <sup>2</sup>	400
Compressive modulus	BS4370: Method 3	kN/m <sup>2</sup>	16-25,000
Tensile Strength	DIN 53292	kN/m <sup>2</sup>	700
Tensile Modulus	DIN 53292	kN/m <sup>2</sup>	16-25,000
Shear Strength	ASTM C- 273	kN/m <sup>2</sup>	400
Shear Modulus	ASTM C- 273	kN/m <sup>2</sup>	10,000
Design compressive stress which gives 2% compression after 20 years	PREN 1606	kN/m <sup>2</sup>	—
Water vapor resistivity	BS4370: Method 8	μ value	100-160
Water absorption by immersion (28 days, full boards)	DIN 53434	% - vol.	0.5
Capillarity	—	—	—
Coefficient of linear thermal expansion	BS4370: Method 13	mm/mK	0.07
Temperature limits	—	°C	-50/+75
Fire classification	BS3837: Part 1 1986	—	A
Size: Length	—	mm	2500
Width	—	mm	600, 1200
Thickness <sup>(2)</sup>	—	mm	25,50, 75, 100, 120
Tolerances thickness	—	mm	+/-0.5
Width (600mm board)	—	mm	+3/-0
Width (1200mm board)	—	mm	—
Length (600mm board)	—	mm	+10/-0 (2500)
Length (1200mm board)	—	mm	+15/-0 (6000)
Edge profile	—	—	butt
Surface	—	—	planed with or without grooves

<sup>(1)</sup> STYROFOAM LT is tested at 30 days and 10°C for thermal conductivity

<sup>(2)</sup> Special dimensions are available upon request

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