



<b>DATA SHEET</b>	<b>Physical Characteristics of Styrofoam ( EPS ) For Cavity wall*Sandwich Panel* ceiling*Floors. Horde Filler (Void Former)</b>
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Unless otherwise stated the following are typical values:

Property	Unit	Test Method	Styrofoam
Density Range ASTM C 578	Kg/m <sup>3</sup>	<b>ASTM C303</b>	<b>24 – 26</b>
Thermal Conductivity Value	W/m.k	<b>ASTM C518</b>	<b>0.034</b>
R – Value, Thermal Resistance Per inch,	25deg.F	Deg.F.FT2.h/Btu Deg.K.m2/W	<b>4.8</b> <b>0.84</b>
	40deg.F	Deg.F.FT2.h/Btu Deg.K.m2/W	<b>4.6</b> <b>0.80</b>
	75deg.F	Deg.F.FT2.h/Btu Deg.K.m2/W	<b>4.2</b> <b>0.73</b>
Compressive strength at 1% deformation, Min	Kpa psi	<b>D1621</b>	<b>60</b> <b>8.77</b>
Compressive strength at 5% deformation, Min	Kpa psi	<b>D1621</b>	<b>135</b> <b>19.73</b>
Compressive strength at 10% deformation, Min	Kpa psi	<b>D1621</b>	<b>155</b> <b>22.66</b>
Flexural strength, min	Kpa Psi	<b>ASTM C203</b>	<b>275</b> <b>40.20</b>
Water absorption by total immersion, max	Volume %	<b>ASTM C272</b>	<b>2.0</b>

- EPS products are free from CFC (Freon Gas) and with Testing Method of ASTM C 578-01.
- Does not damage Ozone Layer Non-Toxic.
- Fire Resistance & Normal.( Fire Resistance Din 4102 Unit Building **B1** )
- 20 – Year physical property.

<b>Dimensions</b>		
Styrofoam *R	Size	W 1000mm x L 2500mm TO L1250mm x 2500mm
Styrofoam *R	Thickness	10mm – Up to 500/1000mm



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