



Expanded Polyethylene Foam Product Data Sheet

CLASSIFICATION	ITEM	UNIT	DATA
Cell Structure	Density	Kg/m ³	17.5
	Cell Size	mm	0.25 -0.35
Physical Properties	Tensile Strength	Kg/cm ²	2.5 - 3.4
	Elongation	%	125
	Compression 10%	Kg/cm ²	0.030
	Compression 20%	Kg/cm ²	0.197
	Compression 30%	Kg/cm ²	0.787
	Permanent Compression Set	%	6.5
	Repeated Compression Set	%	5.0
	Tearing Strength	Kg/cm ²	2.06
	Compression Strength	Kg/cm ²	0.52 - 1.6
	Resiliency	%	30 - 35
Thermal Properties	Heat Distortion Temperature	C°	-70 - 80
	Thermal Conductivity	W/m.K	0.032
	Heat Shrinkage	% at 70°C	0.75
	Coefficient of Linear Expansion	1/C°	17 x 10
	Combustion Rate	Cm/min	6.4 - 10.0
Water Resistance	Water Absorption	Mg/cm ²	0.01
	Water Vapour Transmission Rate	G/m ² /hr	0.01
	Moisture transmission Rate	G/m ²	4.6
Electric Character	Dielectric Constant (Antistatic)	(1khz)	1.05-1.58
	Volume Resistivity	Ω/cm	10
	Dielectric Strength	Kt/mm	4.8
	Dissipation Factor	Tanδ(1khz)	0.0001
Other Properties	Buoyancy	Kg/m ³	880
	Operating Temperature	°C	-60 - 80
	Clarity	%	45
	Colour		Opaque white