

Properties of EPE (Expanded Polyethylene)

Property	Unit of Measure	Data
Cell Structure		Semi Closed Cell
Density	Kg/m ³	18 – 25
Cell Size	mm	0.25 – 0.35
Tensile Strength	Mpa	0.02
Elongation	%	130 – 140
Compression 10%	Kg / cm ²	>0.030
Compression 20%	Kg / cm ²	>0.15
Compression Set	%	7
Tear Strength	Kg / cm ²	2.2 – 2.4
Shrinkage	% at 70°C	2.0
Water Absorption*	Mg / cm ²	0.03
Water Vapour Transmission Rate*	Gm/m ² /hr	0.01
Moisture transmission Rate*	Gm/m ²	4.6
Thermal Conductivity	W/m.K	0.033
Operating Temperature	°C	-40 – 75
Colour		Opaque white