

MATERIAL DATA SHEET

Superzote[®] EM26 Supersoft Foam Lightweight

Product Information:

Typical Values

Superzote[®] is a closed cell, cross-linked polyethylene block foam manufactured a unique production process. The values provided in this product information represent data gathered from random samples of production of **Superzote[®] EM26** foam and represent typical data. These are given to the best of our knowledge and should be considered as guidance for selecting a suitable grade for a given application.

Property	Test Standard	Units	Typical value
Apparent Density			(nominal)
Skin/Skin	BS EN ISO 7214:2012	kg/m ³	26
Cell Size (Cell Diameter)	Internal	mm	0.2
Compression Stress-Strain	BS EN ISO 7214:2012	kPa	
25% compression	25 mm cell-cell		32
50% compression			88
Tensile Strength	BS EN ISO 7214:2012	kPa	160
Tensile Elongation		%	320
Compression Set	BS EN ISO 7214:2012	% set	
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery			16
24 hr recovery			13
Shore Hardness	BS EN ISO 868:2003		
OO Scale			33
Recommended maximum operating temperature*	Internal	°C	65

* RECOMMENDED MAXIMUM OPERATING TEMPERATURE

The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any particular temperature is dependent on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.