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Specification Sheet / 01
ASG110 High Density Polyethylene Foam

ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

Property	***Test Standard***	***Units***	***Typical Value***
Apparent Density			(Nominal)
Skin/Skin	BS EN ISO 7214:2012	kg/m³	110
Cell Size (Cell Diameter)	Internal	mm	0.9
Compression Stress-Strain 25% Compression 50% Compression	BS EN ISO 7214:2012 25 mm cell/cell	kPa	 780 976
Tensile Strength Tensile Elongation	BS EN ISO 7214:2012	kPa %	2376 85
Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	 16 11
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	13630
Shore Hardness OO Scale	BS EN ISO 868:2003	 91	
Recommended maximum operating temperature*	Internal	°C	125
Water absorption	ISO 2896:2001 Ed3.	%	<2

Change Control Date	***Change***
12/09/2021	Created

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 dependant on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.