Specification Sheet / 01
LD45

Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

Property	Test Procedure	Units	Value
Nominal density- skin/Skin	BS ISO 7214 1998	kg/m³	45
Cell Size- Typical Diameter	Internal	mm	0.4
Compression Stress- Strain 10% compression	BS ISO 7214 1998	kPa	77
Compression Stress- Strain 25% compression	BS ISO 7214 1998	kPa	94
Compression Stress- Strain 40% compression	BS ISO 7214 1998	kPa	130
Compression Stress- Strain 50% compression	BS ISO 7214 1998	kPa	170
Compression Set 25% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	7.5
Compression Set 25% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	2.5
Compression Set 50% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	18.5
Compression Set 50% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	10
Tensile Strength	ISO 7214 1998	kPa	560
Tensile Elongation	ISO 7214 1998	%	175
Tear Strength	BS EN ISO 8067 1995	N/m	1150
Shore Hardness OO scale 10mm cell/cell thickness	ISO 868 1985	OO	60
Reccomended Operating Temperature Range*	Internal	°C	+105 Max -70 min
Thermal Conductivity Mean Temp 10°C	ISO 832 1991	W/m.K	0.042
Flammability Automotive	FMVSS.302-Burn rate	<100mm/min	Pass: 5mm and thicker
Horizontal Burn Rate 5mm Thick	ISO 7214 1998	mm/sec	1.3
Horizontal Burn Rate 13mm Thick	ISO 7214 1998	mm/sec	0.7

*Recommended Operating Temperature Range
The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24 hr 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.

Change Control Date	Change
23/10/2014	Created