Any Foam

INDIVIDUAL SPECIFICATION SHEET

LD33 Foam

Property	Test Procedure	Units	LD33
Nominal Density - Skin/Skin	BS ISO 7214 1998	kg/m³	33
Cell Size – Typical Diameter	Internal	mm	0.37
Compression Stress-Strain	BS ISO 7214 1998		
10% compression		kPa	51
25% compression		kPa	69
40% compression		kPa	102
50% compression		kPa	137
Compression Set	BS ISO 7214 1998		
25% comp., 22hr, 23 ℃	25 mm cell-cell		
½ hr recovery		% set	10
24hr recovery		% set	3
50% comp., 22hr, 23 ℃			
½ hr recovery		% set	22.5
24hr recovery		% set	13.5
Tensile Strength	ISO 7214 1998	kPa	440
Tensile Elongation		%	155
Tear Strength	BS EN ISO 8067 1995	N/m	785
Shore Hardness OO Scale	ISO 868 1985		
10mm cell/cell thickness		OO	58
Recommended operating temperature range*	Internal	℃	+100 max -70 min
Thermal Conductivity	ISO 8302 1991	W /m.K	0.0405
mean temp of 10 ℃			
Flammability			
Automotive	FMVSS.302 – Burn rate	<100mm/min.	Pass: 7 mm and thicker
Horizontal Burn Rate	ISO 7214 1998		
5mm thick		mm/sec	1.6
13mm thick		mm/sec	1.0

*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 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.