



Adhesive Backed Materials Ltd

ABM, Geith Ind Est, Crown Business Park, Tredegar, Gwent, UK. NP22 4EF
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LD45-Low Density Polyethylene Foam

Property	Detail
Material Type	Closed cell, cross-linked polyethylene block foam

Technical Data

Property	Test Standard	Units	Typical Value
Apparent Density (nominal) - Skin/Skin	BS EN ISO 7214:2012	kg/m ³	45
Cell Size (Cell Diameter)	Internal	mm	0.4
Compression Stress-Strain	BS EN ISO 7214:2012	kPa	
25% compression (25 mm cell-cell)			90
50% compression			163
Tensile Strength	BS EN ISO 7214:2012	kPa	537
Tensile Elongation		%	155
Flammability - Automotive	FMVSS.302		Burn rate <100mm/min. Pass at 6mm
Compression Set	BS EN ISO 7214:2012	% set	
25% comp., 22hr, 23°C (25 mm cell-cell)			
½ hr recovery			8
24 hr recovery			3
Tear Strength (Method B)	BS EN ISO 8067:2008	N/m	2414
Shore Hardness (OO Scale)	BS EN ISO 868:2003		63
Recommended maximum operating temperature	Internal	°C	100
Water Absorption	ISO 2896:2001 Ed3.	%	<1



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Thermal Conductivity (Mean temperature 10°C)	ISO 8301:1991	W/mK	0.041
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The above figures are average values and should be considered as guidelines not specifications. While reasonable care has been taken to ensure that this data is representative, we do not warrant or otherwise guarantee, expressly or impliedly, the suitability, accuracy, reliability or completeness of the information. We recommend evaluation prior to use to ascertain the suitability of the material for the application.