



Adhesive Backed Materials Ltd

ABM, Geith Ind Est, Crown Business Park, Tredegar, Gwent, UK. NP22 4EF
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LDPE 33kg Polyethelene Foam

Property	Detail
Description	Physically crosslinked, closed cell polyolefin foam produced in continuous sheets, vertically foamed with two identical process skins.
Colour	Black / White
Thickness Range	2 mm to 8 mm single layer; multi-layer up to 40 mm
Cell Structure	Fine regular, closed-cell

Technical Specifications

Property	Standard	Unit	Typical Value	Range
Density (Block)	ISO 845	Kg/m ³	33	28 - 38
Tensile Strength	ISO 1798	kPa	>250	
Tensile Elongation	ISO 1798	%	>170	
Compressive Strength 10%	ISO 844	kPa		35 - 55
Compressive Strength 25%	ISO 844	kPa		55 - 85
Compressive Strength 50%	ISO 844	kPa		120 - 170
Compression Set 25% / 0.5h after discharge	ISO 1856	%	15	
Compression Set 25% / 24h after discharge	ISO 1856	%	4	
Thermal Conductivity at 0 °C	ISO 8301	W/mK	0.034	
Thermal Conductivity at 10 °C	ISO 8301	W/mK	0.035	



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Thermal Conductivity at 40 °C	ISO 8301	W/mK	0.039	
Working Temperature	Internal	°C	-60 / +100	
Water Absorption (7 days)	DIN 53428	%	<1	
Surface Resistivity	IEC 61340	Ohm	<10 ¹³	

Product Characteristics

Key Characteristics	
Thermoplastic Properties	Excellent vacuum and press-forming characteristics
Thermal Insulation	Excellent thermal insulation characteristics
Impact Sound Insulation	Very good impact sound insulation properties
Water Resistance	Low water absorption; very low water vapour permeability
Weatherability	Good weatherability
Chemical Resistance	Inert to a wide range of chemicals
Odour	No odour
Ecology	Ecologically and chemically neutral; safe disposal by recycling, dumping or incineration

All information and recommendations about products are based on our existing knowledge and experience but do not mean a guarantee or warranty. As the products are used for different applications we recommend checking suitability of product prior to use. All information is subject to change without notice. End user is obliged to verify the above information before using the material.