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Material Specification Sheet

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RHN 15B



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Plastazote LD24 Polyethylene Foam

Property	Test Procedure	Units	Value
Nominal density- skin/skin	BS ISO 7214 1998	kg/m ³	24
Cell Size - Typical Diameter	Internal	mm	0.3
Compression Stress- Strain 10% compression	BS ISO 7214 1998	kPa	34
Compression Stress- Strain 25% compression	BS ISO 7214 1998	kPa	53
Compression Stress- Strain 40% compression	BS ISO 7214 1998	kPa	85
Compression Stress- Strain 50% compression	BS ISO 7214 1998	kPa	118
Compression Set 25% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	13
Compression Set 25% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	5
Compression Set 50% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	27
Compression Set 50% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	19
Tensile Strength	ISO 7214 1998	kPa	320
Tensile Elongation	ISO 7214 1998	%	130
Tear Strength	BS EN ISO 8067 1995	N/m	495
Shore Hardness OO scale 10mm cell/cell thickness	ISO 868 1985	OO	50
Recommended Operating Temperature Range*	Internal	°C	+100 Max -70 min
Thermal Conductivity Mean Temp 10°C	ISO 832 1991	W/m.K	0.0392
Flammability Automotive	FMVSS.302-Burn rate	<100mm/min	Pass:12mm and thicker
Horizontal Burn Rate 5mm Thick	ISO 7214 1998	mm/sec	2.1
Horizontal Burn Rate 13mm Thick	ISO 7214 1998	mm/sec	1.5

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

