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Material Specification Sheet

RHN 15K

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Ethylene Vinyl Acetate (EVA) – 50Kg

Property	Test Procedure	Units	Value
Nominal Density Skin/Skin	BS ISO 7214 1998	Kg/m3	50
Cell Size – Typical Diameter	Internal	Mm	0.35
Compression Stress – Strain 10% Compression	BS ISO 7214 1998	kPa	30
Compression Stress – Strain 25% Compression	BS ISO 7214 1998	kPa	51
Compression Stress – Strain 40% Compression	BS ISO 7214 1998	kPa	82
Compression Stress – Strain 50% Compression	BS ISO 7214 1998	kPa	115
Compression Set 25% comp 22 Hr 23 °C ½ Hr Recovery	BS ISO 7214 1998 (25mm cell/cell)	% Set	10.5
Compression Set 25% comp 22 Hr 23 °C 24 Hr Recovery	BS ISO 7214 1998 (25mm cell/cell)	% Set	3
Compression Set 50% comp 22 Hr 23 °C ½ Hr Recovery	BS ISO 7214 1998 (25mm cell/cell)	% Set	23.5
Compression Set 50% comp 22 Hr 23 °C24 Hr Recovery	BS ISO 7214 1998 (25mm cell/cell)	% Set	13
Tensile Strength	BS ISO 7214 1998	kPa	840
Tensile Elongation	BS ISO 7214 1998	%	245
Tear Strength	BS EN ISO 8067 1995	N/m	1055
Shore Hardness OO Scale 10mm Cell/Cell	ISO 868 1985	OO	47
Recommended Operating Temp Range*	Internal	°C	+65°C Max -70 °C Min
Thermal Conductivity Mean Temp 10 °C	ISO 832 1991	W/m.K	0.0404
Flammability Automotive	FMVSS.302 Burn Rate	<100mm/min	Pass: 4mm and thicker
Horizontal Brun Rate 5mm Thick	BS ISO 7214 1998	mm/sec	1.0
Horizontal Brun Rate 13mm Thick	BS ISO 7214 1998	mm/sec	0.8

*The maximum operating temperature range shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24-hour period, using sample dimensions 100mmx100mmx25mm. 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 structure size, loading conditions and exposure periods.

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

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