

RH Nuttall Limited

Great Brook Street
Nechells Green
Birmingham B7 4EN

Material Specification Sheet

e: sales@rhnutall.co.uk
t: 0121 359 2484
f: 0121 359 4439

RHN 15A



www.rhnutall.co.uk

Plastazote LD18 Polyethylene Foam

Property	Test Procedure	Units	Value
Nominal density- skin/skin	BS ISO 7214 1998	kg/m ³	18
Cell Size - Typical Diameter	Internal	mm	0.3
Compression Stress- Strain 10% compression	BS ISO 7214 1998	kPa	33
Compression Stress- Strain 25% compression	BS ISO 7214 1998	kPa	50
Compression Stress- Strain 40% compression	BS ISO 7214 1998	kPa	81
Compression Stress- Strain 50% compression	BS ISO 7214 1998	kPa	113
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	5.5
Compression Set 50% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	27.5
Compression Set 50% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214 1998 25mm cell-cell	% Set	18.5
Tensile Strength	ISO 7214 1998	kPa	300
Tensile Elongation	ISO 7214 1998	%	125
Tear Strength	BS EN ISO 8067 1995	N/m	520
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	0.0446
Flammability Automotive	FMVSS.302-Burn rate	<100mm/min	Pass:14mm and thicker
Horizontal Burn Rate 5mm Thick	ISO 7214 1998	mm/sec	2.2
Horizontal Burn Rate 13mm Thick	ISO 7214 1998	mm/sec	1.7

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

