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Material Specification Sheet

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RHN 15G



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Closed Cell Polyethylene Foam – 45kg

Description	Standard	Value	Unit
Density	ISO 845	45	Kg/m ³
Tensile Strength	ISO 1798	478	kPa
Elongation	ISO 1798	224	%
Compression 10%	ISO 844	88	kPa
Compression 25%	ISO 844	103	kPa
Compression 50%	ISO 844	172	kPa
Compression Set 0.5 Hrs	ISO 1856	7	%
Compression Set 24 Hrs	ISO 1856	2	%
Compression Set 50% 0.5 Hrs	ISO 1856	20	%
Compression Set 50% 24 Hrs	ISO 1856	7	%
Working Temperature Range	Internal	-60/+90	°C
Water Absorption % Vol (Max)	Internal	1	%
Thermal Conductivity at 10c	ASTM C177	0.0440	W/mK
Thermal Conductivity at 40c	ASTM C177	0.0460	W/mK
Shore OO	ASTM D2240	61	OO
Flammability	FMVSS302	35	mm/min
Dimensional Stability 24 Hr at 70°C <2%			
Dimensional Stability 24 Hr at 90°C <2%			

Please note - If holes were created during the foaming process, no more than six holes of 2mm diameter per 1000mm² sheet are acceptable.

Data represents typical values measured on a 10mm thick specimen and should be considered as guidelines only

****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****

