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Material Specification Sheet

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RHN 8C



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Flame Retardant Closed Cell Expanded Neoprene Sponge

Property	Unit	Result	Test Method
Spec according to; ASTM D1056-85			
AFNOR NFR 99-211-80			2 A2 A1 B2 MP
SAE J18-79			3C 08 B4
Dimensions		1900mm x 1000mm	SCE 42 A1 B2 MP
Colour		Grey	
Thickness		37mm +/-2mm	
Cellular Structure		Closed	
Appearance Density	Kg/m3	170/220	
Shore Hardness		38-55	
Compression Deflection 25% Deflection	kPa	35-63 (49.3)	ASTM D1056
Compression Deflection 50% Deflection	kPa	80-160 (124.5)	NFR 9921180
Change in Com Deflection	%	+/-30 (16.8)	ASTM D1056 after 7 days at 70°C
Change in Com Deflection	%	+/-30 (19.2)	ASTM D1056 after 23 hours at 100°C
Water Absorption	%	<5 (0.9)	ASTM D1056
Compression Set 50% Deflection 22H 23°C	%	<25 (16.9)	ASTM D1056 at 23°C
Compression Set 50% Deflection 22H 23°C	%	<60 (47.9)	HFR 99211 at 40°C
Linear Shrinkage after 7 Days at 70°C	%	<5 (3.8)	
Ultimate Elongation 247%>200%	%	>200 (247)	DIN 535 1
Tensile Strength	kPa	>550 (765)	DIN 535 1
Tear Resistance	kN/m	>0.6 (0.94)	NFR 99211 80
Tear Resistance	kN/m	>2 (3.09)	ASTM D624 73
Ozone Resistance		200 pphm 30°C/48h, no cracking	
Resistance to fuel	% change in weight after 7 days	<250 (192)	FMVSS 302 UL94 AFNOR P9750
Fire Resistance		Conforms to cat. 1 for thickness >4mm 94vo & 94HB. M1 for 2mm&3mm. M2 for 3mm to 15mm. M3 for 15mm to 25mm.	
Corrosion on silver/copper		Non-corrosive	
Temp range	Continuous	-40°C to +115°C	
Temp range	Intermittent	Up to 130°C	
General indications		Good resistance to flame oils, ageing & chemicals	

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

