

## Expanded Neoprene

Material Specification	Specification Limits	Typical Value
<b>Size</b>	1900mm x 1000mm	
<b>Thickness</b>	37mm +/-2	
<b>Density</b>	170/220 kg/m <sup>3</sup>	
<b>Shore hardness</b>	38-55	
<b>Compression deflection</b>	35-63 kPa @25% ASTM D1056	49.3 kPa
<b>Compression deflection</b>	80-160 kPa @ 50% NFR 9921180	124.5 kPa
<b>Change in compression deflection</b>	From +/- 30% ASTM D1056 after 7 days @ 70°C	16.8%
<b>Change in compression deflection</b>	From +/- 30% ASTM D1056 after 23 hours @ 100°C	19.2%
<b>Water Absorption</b>	=<5% ASTM D1056	0.9%
<b>Compression Set</b>	=<25% ASTM D1056 @ 23°C	16.9%
<b>Compression Set</b>	=<60% HFR 99211 @ 40°C	47.9%
<b>Linear shrinkage</b>	=<5% after 7 days @ 70°C	3.8%
<b>Ultimate elongation</b>	>200% DIN 535 1	247%
<b>Tensile strength</b>	>550 kPa DIN 535 1	765 kPa
<b>Tear resistance</b>	>0.6 kn/m NFR 99211 80	0.94 n/m
<b>Tear resistance</b>	>2 kn/m ASTM D624 73	3.09 n/m
<b>Ozone resistance</b>	200 pphm 30°C for 48 hours	No cracking
<b>Resistance to fuel</b>	<250% change in weight in 7 days	192%
<b>Fire resistance</b>	According to FMVSS 302, UL94 & AFNOR P9750 Conforms to cat 1 for thickness .4mm 94VO & 94HB M1 for 2 & 3mm, M2 for 3 to 15mm & M3 for 15-25mm	
<b>Temperature range</b>	Continuous -40°C to 115°C Intermittent up to 130°C	
<b>General indications</b>	Good resistance to flame, oils, ageing & chemicals Non corrosive on silver & copper	
<b>Specification</b>	ASTM D1056-85 AFNOR NFR99-211-80 SAE J18-79 2 A2 A1 B2 MP 3C 08 B4 SCE 42 A1 B2 MP	

