

Expanded Neoprene

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