



Ancillary materials, equipment & fittings
for all types of tunnelling

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SPECIFICATION SHEET

A311 CLOSED CELL EXPANDED NEOPRENE

ASTM D1056 (84) SCE 42

General purpose, medium density, closed cell neoprene foam. A suitable material for applications where resistance to ozone, sunlight, UV and oxidation is of paramount importance. Features include a closed cell structure making it impermeable to air and water. Good ageing properties. Limited resistance to mineral oils and a weak resistance to petrol.

Base Rubber - EPDM	SPECIFICATION	TYPICAL VALUE
Thickness (Typical)		50mm
Colour		Black
Cellular Structure		Closed Cell
Density		150 / 170 kg / m3
Shore Hardness		38—55 (Sh) 00
Compression Deflection according to;	ASTM D1056 NFR 99211	35-63 (kPa) 80-160 (kPa)
Water Absorption	ASTM D 1056	= < 5%
Linear Shrinkage after 7 days at 70°C		< 7 %
Ultimate Elongation	DIN 53571	> 100
Tensile Strength	DIN 53571	> 500 kPa
Tear Resistance	NFR 99211-80	> 0.5 kn / m
Ozone Resistance		No cracking
Fire Resistance	UL94	94 HB
Corrosive affect on copper / silver		Non corrosive
Temperature Range	Continuous Short term	-40°C to +85°C Up to 100°C
Paint staining		Staining

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 particular 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.



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