

# Technical Data Sheet

## Expanded Neoprene Sponge Cord

**SPONGE & FOAM**

Polymer	CR		
Colour	Black		
Cellular Structure	Closed		
Density	130/170 kg/m <sup>3</sup>		
Shore Hardness (00)	38-55 Sh 00		
		Average Values	Required Values
Compression Deflection according to	ASTMD1056 – 25% Compression	53 kPa	35-63 kPa
	NFR 99211-80-50% compression	133 kPa	80 – 160 kPa
Change in Compression Deflection	ASTM D1056 after 7j @ 70°C After 22h @ 100°C	-15% -18%	From -30 to +30% From -30 to +30%
Water Absorption	ASTM D1056	0.7%	=<5%
Compression Set (22 Hrs)	ASTM D1056 @ 23°C/70°F After 24 h release NFR 99211 @ 40°C/105°F	17% 51%	=<25% =<60%
Linear Shrinkage after 22 hrs @ 70°C		4.1%	<7%
Ultimate Elongation	DIN 53571	129%	>100%
Tensile Strength	DIN 53571	810 kPa	>500 kPa
Tear Resistance	NFR 99211-80	0.7 KN/m	>0.5 KN/m
Ozone resistance	200 pphm/30°C/48 hrs	No Cracking	
Resistance to fuel B ASTM	Change in weight after 7 days at 23°C	170%	<250%
Fire Resistance	According to FMVSS302	Conforms to category 1 type of combustion B	
	According to UL94	94 HB	
Corrosive effect on Copper and Silver Paint Staining		Non Corrosive staining	
Temperature Range	Continuous	From -40°C to +85°C	
	Intermittent	Up to 100°C	



Certificate Number: 14352  
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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