



NEOPRENE SPONGE RUBBER

Moderate Fuel & Oil Resistant | Neoprene Sponge

FEATURES

Industrial Gaskets Neoprene Sponge Rubber Sheet is a black, premium grade, closed cell Neoprene Sponge Rubber Sheet. Neoprene Sponge Rubber is UV stable and is resistant to ozone effects and weathering. It is made from an expanded premium Neoprene rubber compound and will display moderate temperature and flame resistance. It is closed cell enabling it to create an easily compressible air and watertight seal.

New generation Closed Cell Neoprene Sponge Foam series, is airtight, waterproof, improved temperature resistance and recovery rate under higher temperatures and commonly used for high-performance long-term applications. It is self-extinguishing with excellent resistance to aging, alkalis, acids, oil and solvent. Highly consistent cell structure and thickness with no voids or inclusions. Ideally suited to stringent automotive tolerances with good mechanical properties. It will also display some chemical resistance to acids and alkalis.

Neoprene Sponge is suitable for long term sealing applications with limited cycles of compression.

TECHNICAL INFORMATION

Polymer Type	CR	
Colour	Black	
Density	158 kg/m ³	KSM ISO 7214:2006
Hardness	48° ± 5° Shore 00	KSM 6660:2006
Tensile Strength	520 kPa	JIS K6767:1998
Elongation @ Break	150%	JIS K6767:1998
Tear Strength	2.8 kN/m	ASTM D624
Compression Deflection (25%)	48 kPa	ASTM D1056
Compression Set (24hrs @72°C)	25% (max)	KSM ISO 1856:2002
Ozone Resistance Test (50±5 pphm, 40±2°C, 100hrs)	No Cracking	KSM 6518:2006
Temperature Range	-40°C to +90°C (Continuous) -40°C to +120°C (Intermittent)	
Designations	ASTM D 1056 DESIGNATION: 282 SAE J18 APR 2002 DESIGNATION: 282	

AVAILABLE SIZES

STANDARD THICKNESS

Any thickness 1.5mm - 50mm

STANDARD SHEET SIZE

1000mm x 2000mm

Cut lengths, strips and custom shapes are available upon request. Sheets can be supplied with adhesive backing upon request.



APPLICATIONS

Neoprene Sponge Rubber has been designed primarily for use as a compressible strip, pad or gasket, and is mainly used for long term sealing applications, which incur a limited number of compressions during service.

Its properties make it suitable for use in a wide range of applications including:

- > Gaskets and seals
- > Insulation barriers
- > Oil and fuel resistant seals
- > Road construction joints
- > Variety of long term sealing applications
- > Long lasting closed cell sponge
- > Excellent weathering and ageing and long-term reliability
- > Condensation protection
- > Prevents heat loss and noise between substrates
- > Excellent gasketing material
- > High load capability
- > Conforms well to a variety of irregular surfaces