

Neoprene Sponge Sheet

Sponge Sheet



Neoprene sponge sheet is a versatile foam material renowned for its durability, flexibility, and resistance to weathering, chemicals, and extreme temperatures. Its soft, compressible nature provides excellent sealing, cushioning, and insulation, making it ideal for applications such as gaskets, seals, vibration dampening, and thermal insulation in industries like automotive, marine, HVAC, and construction. Mechanically, it offers high tensile strength, good elongation, and strong recovery after compression, ensuring reliable performance in demanding conditions. Its resistance to oils, ozone, and UV exposure further enhances its suitability for both indoor and outdoor use.

Features

- Vibration Damping
- Compression Set Resistance
- Thermal Stability
- Chemical Resistance
- Weather and UV Resistance

Availability

- Available in Custom Parts and Stock Sheets

Benefits

- Temperature range -40°C / +85°C
- Good strength, abrasion and resilience properties
- Resists weathering and oxidative ageing

Recommended Uses

- Automotive, Domestic & Commercial, Catering, Construction, Electronics, Energy, Food & Beverage, HVAC, Lighting, Marine

Typical Physical Properties

Property	Test Method	Neoprene Sponge
Colour	-	Black
Elongation	-	>180%
Water Absorption	-	0.8
Compression Set (50% 22h 20°C)	-	19.10%
Density (g/cm³)	-	1.22

Electrical and Mechanical Information

Property (unit)	Test Method	Neoprene Sponge
Flammability Rating	-	UL94 HBF
Maximum Operating Temperature	-	+85°C
Minimum Operating Temperature	-	-40°C



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This material is often used in these industries:



Industrial



LED



Automotive

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