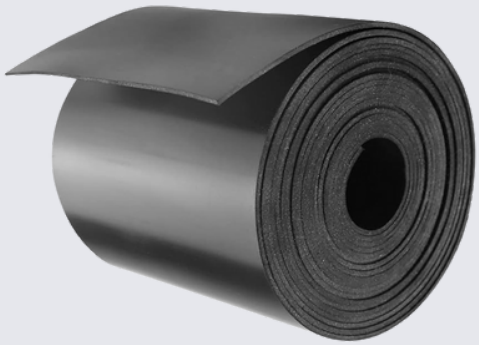
MSDS Report

Chemical Composition: NEOPRENE Rubber Product
Product name: NEOPRENE Rubber Sheet



MATERIAL SAFETY DATA SHEET NEOPRENE RUBBER SHEET 55"X33' ASTM D2240, D792, D412, D395

Neoprene rubber sheet is a versatile synthetic elastomer renowned for its exceptional resistance to weathering, ozone, and ageing, making it an ideal choice for outdoor and external applications such as gaskets, seals, and linings. With a balanced combination of physical strength and chemical resistance, neoprene performs reliably in harsh environments where exposure to sun, rain, and atmospheric oxygen is common.

This rubber sheeting offers moderate resistance to animal and vegetable oils, inorganic salts, and diluted acids, making it suitable for a variety of industrial applications. However, it is not recommended for use with aromatic hydrocarbons, esters, or ketones.

Dimensions:
Thickness: 1/16", 1/8", 1/4", 3/8", 1/2"
Width: 55"
Length: 33'

Key Features:
Excellent resistance to weathering, UV, and environmental degradation
Strong ozone and ageing resistance for long service life in outdoor settings
Suitable for use in gaskets, linings, and sealing applications
Moderate resistance to oils, greases, and inorganic chemicals
Flexible and durable across a range of temperatures and conditions

1. COMPOSITION/INFORMATION ON INGREDIENTS

Major components: Reclaimed rubber
Minor components: Natural rubber
Light calcium carbonate
Softener
Vulcanization accelerator
Accelerators/Activators(＜1%)
Antioxidant/Stabilizers(＜1%)

Appearance: Flexible Rubber Black Rubber
Dermal(acute): For prolonged handling, use protective gloves and clothing. Wash hands with mild soap after handling. Avoid contact with eyes. If eyes are irritated flush with water for ten minutes. Obtain medical attention. Avoid ingestion. If ingested seek medical attention.
Inhalation (acute): Excessive inhalation can cause headache, nausea, irritation. Handle the product in minimum quantity and work in well-ventilated area.

2. TECHNICAL STANDARDS

ASTM D2240 – **Shore A Hardness 60 +- 5.** (Shore A is the most common scale used for rubber and elastomers.)
ASTM D792 – **Density (Specific Gravity) 1.5 G/CM3.** (1.2 to 1.5 g/cm³. This is a measure of the material's density relative to water.)
ASTM D412 – **Tensile Strength 3 MPA and Elongation 250%**. (TS- 750 to 1,000+ psi. This measures the material's ultimate resistance to rupture under tension. UE- 250% to 500%. This is the percentage that the material can be stretched from its original length before breaking.)
ASTM D395 – **Compression Set 30% to 40%.** (This is the permanent deformation that occurs after a material has been subjected to compressive force. A lower percentage indicates better quality.)

3. FIRE FIGHTING MEASURES

Hazardous combustion: Stable under normal situation. Flammable / Combustible under high heat and flame. Can generate toxic and combustible fumes, - carbon monoxide, chlorinated and hydrocarbon compounds, and soot.
Firefighting procedures: Use full protective equipment and SCBA, filter masks, etc.
Means of extinction: High expansion foam, water fog and spray.