

## BLACK NEOPRENE RUBBER SHEET

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### Product Overview

Black Neoprene Rubber Sheet is a general-purpose synthetic elastomer offering a balanced combination of mechanical strength, weather resistance, and moderate resistance to oils and chemicals. Neoprene rubber is widely used where versatility and durability are required across a range of industrial environments.



This material provides good resistance to aging, ozone, and weathering while maintaining flexibility over a wide temperature range. Due to its well-rounded performance characteristics, Black Neoprene Rubber Sheet is commonly used in marine, automotive, and general industrial sealing applications.

### Material Specification

- **Polymer:** Polychloroprene (Neoprene / CR)
- **Colour:** Black
- **Surface Finish:** Smooth on both sides
- **Temperature Range:** -30 °C to +90 °C

### Key Features & Benefits

- Good resistance to weathering, ozone, and aging
- Moderate resistance to oils, greases, and many chemicals
- Good mechanical strength and elasticity
- Good abrasion and impact resistance
- Suitable for indoor and outdoor applications

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**Disclaimer:** All information provided is based on typical material properties and is intended as a general guide only. Final material selection should be confirmed by the end user for suitability in the intended application.

- Versatile material for a wide range of industrial uses

## Typical Applications

- General-purpose flange gaskets
- Seals and washers
- Marine and offshore applications
- Automotive components
- Rubber pads, strips, and linings
- Machinery and equipment maintenance

## Physical Properties

Property	Typical Value	Test Method
Polymer Content	30 %	-
Specific Gravity	1.45 ± 0.05 g/cm <sup>3</sup>	ASTM D297
Hardness	65 ± 5 Shore A	ASTM D2240
Tensile Strength	5 MPa	ASTM D412
Elongation at Break	250 %	ASTM D412
Compression Set (70 °C × 22 hrs)	50 %	ASTM D395
Tear Resistance	17 kN/m	ASTM D624

*Values shown are typical and not intended for specification purposes.*

## Manufacturing & Cutting Capability

- Available in sheet form and custom-cut components
- Suitable for CNC oscillating knife cutting
- Die-cutting and strip cutting available
- Custom gasket shapes, sizes, and thicknesses available

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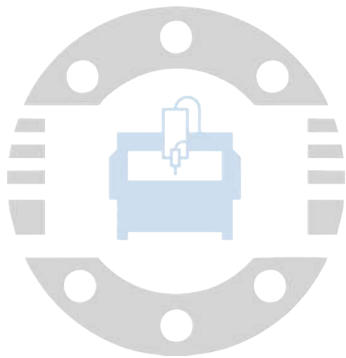
## Storage & Handling

Store in a cool, dry place away from direct sunlight, ozone sources, oils, fuels, and extreme heat to maintain optimal service life.

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