

BLACK EPDM RUBBER SHEET

Product Overview

Black EPDM Rubber Sheet is a high-performance synthetic elastomer designed for applications requiring excellent resistance to weathering, ozone, UV exposure, heat, and water-based media. EPDM rubber offers good elasticity and mechanical strength while maintaining flexibility over a wide temperature range.

Due to its outstanding resistance to environmental aging, Black EPDM Rubber Sheet is widely used in outdoor, water, and general industrial sealing applications. It is not recommended for use with petroleum oils, fuels, or hydrocarbon-based fluids.



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Material Specification

- **Polymer:** Ethylene Propylene Diene Monomer (EPDM)
- **Colour:** Black
- **Surface Finish:** Smooth on both sides
- **Temperature Range:** -30 °C to +100 °C

Key Features & Benefits

- Excellent resistance to weathering, ozone, and UV exposure
- Good heat resistance for continuous service in elevated temperatures
- Good resistance to water, steam, and many chemicals

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.

- Good elasticity and flexibility over a wide temperature range
- Good mechanical strength for general industrial use
- Suitable for prolonged outdoor exposure
- Low maintenance material with long service life

Physical Properties

Property	Typical Value	Test Method
Specific Gravity	1.35 ± 0.05 g/cm ³	ASTM D297
Hardness	65 ± 5 Shore A	ASTM D2240
Tensile Strength	6 MPa	ASTM D412
Elongation at Break	250 %	ASTM D412
Compression Set (70 °C × 22 hrs)	40 %	ASTM D395

Values shown are typical and not intended for specification purposes.

Typical Applications

- Water and wastewater sealing applications
- Outdoor flange gaskets
- HVAC and ventilation seals
- Electrical and enclosure gaskets
- Rubber strips, pads, and protective barriers
- General industrial and construction applications

Manufacturing & Cutting Capability

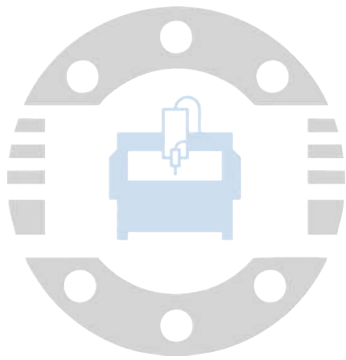
- Available in sheet form and custom-cut components
 - Suitable for CNC oscillating knife cutting
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- Die-cutting and strip cutting available
 - Custom gasket shapes, sizes, and thicknesses available
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Storage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