

Our EPDM Rubber Sheet for Potable Water is a black, high quality grade of EPDM Rubber. This material is certified for use in contact with drinking water and has been independently tested. It also has very good chemical resistance, high temperature resistance and the ability to resist UV and extreme weather.

**Meets Australian Standards for use in sealing drinking water.**

Our EPDM Rubber Sheet for Potable Water has been independently tested and certified by the Australian Water Quality Centre. It meets the requirements of AS/NZS 4020 (2005) Testing of Products for Use in Contact with Drinking Water. It also conforms to the requirements of WSA 109 2011 Table 2.1.

**Good Chemical and Media Resistance.**

Potable Water EPDM, like our standard EPDM Rubber Sheet, has very good chemical resistance. It is particularly suitable for use with many acids and alkalis as well as water, steam and many types of common industrial fluids. It is not suitable for use with hydrocarbons, oils or fuels. For (a lot) more information on the chemical resistance of EPDM, we suggest consulting our Rubber Chemical Resistance Chart.

In addition to its well-rounded chemical resistance, this EPDM Rubber Sheet exhibits very good resistance to UV. It is completely UV stabilised which makes it highly resistant to ozone and extreme weather conditions.

**Good Physical Properties.**

Our Potable Water EPDM Rubber Sheet has a shore hardness of 65 Duro ( $\pm 5$ ). Maximum elongation is 350% and tensile strength is 11 MPa. This rubber is ideal for making potable water gaskets and seals for drinking water containers. Gaskets made from EPDM are suitable for prolonged exposure to drinking water and will not deteriorate when submerged.

**Heat Resistant.**

Our Potable Water EPDM Rubber Sheet has a temperature range of  $-30^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ .

This premium quality EPDM Rubber has been subjected to a variety of tests. One of these measured changes in its properties after being exposed to  $70^{\circ}\text{C}$  for 7 days. Results are below:

Hardness Change:  $+3^{\circ}$  Shore A

Volume Change:  $+3.0\%$  (in distilled water).

Tensile Change:  $+8.5\%$  (average)

Elongation Change:  $-14\%$ .

[View This Product](#)**Important**

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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**Applications for EPDM Rubber Sheet for Potable Water.**

This grade of EPDM Rubber has been designed specifically for use in applications that require contact with drinking water. That said, its features have led to its use in many other industrial areas, some of which are listed below:

- Making EPDM flange gaskets for water pipes and lines.
- As a flexible strip for water systems and storage containers.
- Water tank lining.
- Making seals and washers for water containers and tanks.
- Sealing, insulating and/or isolating steel and metal surfaces.
- Pipe transfer and joining sleeves.
- Pipe lining.

**Technical Details**

<b>Property</b>	<b>Value</b>	<b>Test Standard</b>
Colour	Black	
Polymer	EPDM	
Hardness (Durometer)	65 (±5) Shore A	ASTM D2240
Temperature Range	-30°C to +120°C	
Specific Gravity	1.14 g/cm <sup>3</sup>	ASTM D297
Tensile Strength	11 MPa (min.)	ASTM D412
Elongation at Break	350% (min.)	ASTM D412
Volume Change (In Distilled Water)	+3%	ASTM D471 7 Days @ 70°C
Compression Set (72 Hours @ 23°C)	12.5% (max.)	ASTM D395
Compression Set (24 Hours @ 70°C)	18% (max.)	ASTM D395

Heat Aged Properties (7 Days @ 70°C)

Hardness Change	+3° Shore A	AASTM D2240
Tensile Change	+8.5% (avg.)	ASTM D412
Elongation Change	+3%	ASTM D412

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**Available Sizes, Forms and Styles**

Our EPDM Rubber Sheet for Potable Water is available from Swift Supplies by the lineal metre in the thicknesses listed below. Rolls are 1200mm Wide or 1500mm Wide (3mm only).

*Standard Thicknesses*

- 1.5mm
- 3mm
- 4.5mm
- 6mm

*Pieces, Cut Strips, Custom Sizes and Special Requests*

We're always happy to help with special requirements. We can produce all sorts of custom cut components from our Potable Water EPDM Rubber. These include all kinds of flange gaskets, washers, sealing strips, parts and components.

For more information on available options, or to obtain a price for the exact part you need, please do reach out to us. We'll do our very best to help in any way we can.

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