TECHNICAL DATA SHEET

Queensland Gaskets

# PREMIUM POTABLE WATER EPDM

**70 Duro | Potable Water Approved | AS/NZ 4020 Certified | EPDM Rubber Sheet**



Potable Water EPDM Rubber is a black premium grade 70 Duro EPDM Rubber sheet, certified for use in contact with drinking water. Independently tested and certified by the Australian Water Quality Centre, it meets AS/NZS 4020 2005 TESTING OF PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER and conforms to requirements of WSA 109 2011 TABLE 2.1.

Potable Water EPDM retains all other properties of EPDM 70 Rubber sheet and has high temperature resistance and chemical resistance to acids and alkalis. It is completely UV stabilised making it highly resistant to ozone effects and extreme weather conditions.

Potable Water EPDM has good physical properties including mechanical strength and is resistant to hot water and steam. It is suitable for prolonged exposure to drinking water and will not deteriorate when submerged, making it suitable for gasket sealing applications.

## TECHNICAL INFORMATION

| | | |
|---|---|---|
| Polymer | EPDM | |
| Colour | Black | |
| Specific Gravity | 1.14 | ASTM D297 |
| Hardness | 65° ± 5° Shore A | ASTM D2240 |
| Tensile Strength | 11 MPa (min) | ASTM D412 |
| Elongation @ Break | 350% (min) | ASTM D412 |
| Compression Set 72 hrs / 23°C | 12.5% (max) | ASTM D395 |
| Compression Set 24 hrs / 70°C | 18.0% (max) | ASTM D395 |
| Heat Aged Properties | | 7 days @ 70°C |
| Hardness Change | +3° Shore A | ASTM D2240 |
| Tensile Change | +8.5% (ave) | ASTM D412 |
| Elongation Change | -14% | ASTM D412 |
| Volume Change (in distilled water) | +3.0% | ASTM D471 7 days @ 70°C |
| Temperature Range | -30°C to +120°C | |

## APPLICATIONS

Potable Water EPDM Rubber Sheet has been designed primarily for use as a flexible strip, pad, lining or gasket in applications for handling or storage of drinking water and is mainly used for sealing, insulating, isolating and protecting steel or other surfaces.
Its properties make it suitable for use in a wide range of applications including:

- Flange gaskets on pipes and tanks
- Lining of pipes and tanks
- Transfer and joining sleeves
- Rainwater collection system flashing

**Certification**
**AS/NZ 4020 (2005)**
Certification can be supplied upon request

**Sheet Conforms to**
**WSA-109 (2011) requirements**

## AVAILABLE SIZES

| | |
|---|---|
| STANDARD THICKNESS | 1.5mm, 3mm, 4.5mm, 6mm |
| STANDARD ROLL SIZE | 1200mm x 10mtrs (1.5mm, 3mm, 4.5mm, 6mm)<br>1500mm x 10mtrs (3mm) |

Cut lengths, strips and custom shapes are available upon request

**Contact us to discuss requirements and place your order** 07 3277 3922

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.