SHUK ENGINEERING DISTRIBUTORS LTD

# Technical Data Sheet
# Potable Water EPDM Rubber Sheet

**Features:**

Shuk Potable Water EPDM is a black premium grade 70 Dura 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 2021 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 retains all other 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.

**Applications:**

Shuk Potable Water EPDM Rubber Sheet has been designed primarily to be easily identifiable in use as gaskets or linings and as flexible strips and pads, 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

**Dimensions:**

| | |
|---|---|
| GMEPDMPW3.2-1200 | 3.2mm Thick -1200mm Wide |
| GMEPDMPW3.2-1500 | 3.2mm Thick -1500mm Wide |

**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 at Break | 350% (min) | ASTM D412 |
| Compression Set (72 hours/ 23°C) | 12.5% (max) | ASTM D395 |
| Heat Aged Properties | | 7 days at 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 at 70 ° C |
| Temperature Range | -30 ° C to +120 ° C | |