



INDUSTRIAL GASKETS

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POTABLE WATER EPDM – PREMIUM

DESCRIPTION

Potable Water EPDM is a premium black rubber specially formulated for use in potable water applications and fully certified to AS4020. As with standard EPDM it has resistance to some chemicals and acids but poor resistance to petroleum based fluids.

Potable Water EPDM is specifically formulated for use in applications which require contact with Potable Water. It is specifically designed to display excellent ozone and high temperature resistance. This makes EPDM suitable for outdoor applications with long term exposure to weathering.

It has been independently tested and fully certified to meet the relevant Australian Standards: **AS/NZS 4020:2005 TESTING OF PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER**

CONFORMS TO WSA-109 REQUIREMENTS

APPLICATIONS

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.

Potable Water EPDM will also display resistance to a wide range of chemicals and acids. EPDM is suitable for prolonged exposure to aquatic environments and will not deteriorate when submerged. It has good ozone, weathering and temperature resistance. It can be used in a variety of critical applications including gaskets and seals, pads and strips, tank and vessel lining and a variety of sealing applications.

SIZES/AVAILABILITY

Available in 10 metre rolls, metre lengths, strips, gaskets or cut to order

Standard Thickness: 1.5mm, 3mm, 4.5mm and 6mm
Standard Roll Sizes: 1200mm x 10M (1.5mm, 3mm, 4.5mm and 6mm)
1500mm x 10M (3mm only)

PHYSICAL PROPERTIES

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

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