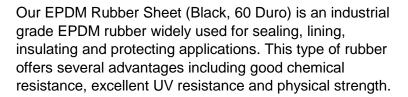


EPDM Rubber Sheet Black, 60 Duro

Technical Data Sheet

swiftsupplies.com.au



EPDM Rubber is often used for making gaskets, seals, washers and lining strips for chemicals. In these applications, its ability to withstand most acids and alkalis is of benefit. It also possesses very good resistance to hot water and steam and can handle temperatures between -30°C and +120°C.



This industrial grade EPDM Rubber is sulphur cured and black in colour. It has very good resistance to UV, sunlight and ozone which makes it ideal for long term outdoor environments. It is also suitable for long term exposure to aquatic applications and will not deteriorate in fresh or saltwater.

One area where EPDM struggles is with hydrocarbons, oils and fuels. It is attacked by these fluids. For sealing these, we usually suggest Nitrile Rubber.

Applications

- Making flange gaskets for pipes and tanks.
- Making washers, gaskets and seals for chemical applications.
- Insulating strips and isolation barriers.
- As a heat resistant skirting rubber.
- Lining of pipes and tanks.
- Underwater applications.
- Protecting steel or other surfaces.
- Weatherproof flashing and lining work.



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Technical Details

| Property | Value | Test Standard | |
|------------------------------------|---------------------|---------------|--|
| Colour | Black | | |
| Polymer | EPDM | | |
| Hardness (Durometer) | 60 (±5) Shore A | ASTM D2240 | |
| Temperature Range | -30°C to +120°C | | |
| Specific Gravity | 1.15 g/cm³ | ASTM D297 | |
| Tensile Strength | 25 kg/cm | | |
| Elongation at Break | 400% (min.) | ASTM D412 | |
| Tear Strength | 45 N / mm (min.) | ASTM D624 | |
| Abrasion | 275mm³ (max.) @ 10N | ASTM D5963 | |
| Compression Set (22 Hours @ 100°C) | 25% | | |

Thermal Ageing in Air Ventilated (72 Hours @ 100°C)

| Increase in Hardness | 10% |
|------------------------------|------|
| Increase in Tensile Strength | -15% |
| Increase in Elongation | -30% |

Available Sizes, Forms and Styles

Our Black EPDM Rubber is available from Swift Supplies by the lineal metre in the thicknesses listed below. Rolls are 1200mm Wide.

Standard Thicknesses

| • | 1mm | • | 3mm | • | 9mm |
|---|-------|---|-------|---|------|
| • | 1.5mm | • | 4.5mm | • | 12mm |
| • | 2mm | • | 6mm | | |

Pieces, Cut Strips, Custom Sizes and Special Requests

We're always happy to help with special requirements. If the size you require for your project isn't listed here please do reach out to us. We'll do our very best to help in any way we can.