

EPDM

Ethylene-propylene rubber

EPDM seals are suitable to be used in processes that involve steam, hot water, chemicals and electrical industry. EPDM is typically preferred for outdoor applications and applications at elevated temperatures.

- **Temperature range:** -35°C to +120°C (can be improved with peroxide curing)
- **Can be used with:** heat, oxidizing chemicals, acids, alkalis
- **Avoid using with:** lubricating oil, mineral-based oils, hydrocarbon fluids

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SBR

Styrene-butadiene rubber

SBR is a general-purpose rubber with very good abrasion resistance, meaning it can withstand wear and tear friction caused by mechanical parts as well as the effects caused by repetitive scraping or rubbing. SBR also shows very good water resistance and has good dynamic properties.

- **Temperature range:** -40°C to +90°C
- **Can be used with:** applications that require resistance towards wear and tear
- **Avoid using with:** chemicals, oil and fuel, ozone, high heat

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NBR

Nitrile-butadiene rubber

NBR has high resistance to oils, petrol and other petroleum products and greases, good resistance to heat and chemicals. NBR is usually preferred for applications involving exposure to oil, fat, grease and fuel due to its excellent resistance to non-polar fluids as well as to wear.

- **Temperature range:** -30°C to +90°C
- **Can be used with:** applications that require excellent oil resistance
- **Avoid using with:** polar solvents, strong acids, ozone, solvents with high aromatic content

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VMQ

Methyl-vinyl silicone rubber

Silicone is fully resistant to ozone and has good electrical insulation properties. The good thermal properties of silicone rubber allow VMQ to be used in applications that must tolerate both high and low temperatures.

- **Temperature range:** -60°C to +200°C
- **Can be used with:** food contact, medical industry
- **Avoid using with:** chemicals, oil and fuel, ozone, high heat

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FKM

Fluorocarbon rubber

Fluorocarbons feature exceptional resistance to heat, oil and chemicals. Typical uses of FKM include applications that involve exposure to oils, fuels, chlorinated compounds, aromatics and strong acids at temperatures up to and above 200°C.

- **Temperature range:** -15°C to +200°C
- **Can be used with:** oils, fuels, acids, aromatics, chlorinated compounds
- **Avoid using with:** low temperatures

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AU

Polyester urethane rubber

AU has excellent abrasion, excellent tensile and tear strength, and oil resistance. Their inherent resistance to oils means that AU components will perform well in applications with consistent exposure to fuel and oil, performing its intended function while in contact.

- **Temperature range:** -10°C to +70°C
- **Can be used with:** applications that require resistance towards wear and tear
- **Avoid using with:** alkalis, ethers, esters, alcohols, ketones, acids, water and steam

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