

## Material Description

Abbreviation (colour code)	Name	Properties
EPDM <div style="border: 1px solid black; padding: 2px; display: inline-block;">red</div>	Ethylene-propylene-terpolymerisat	Good heat resistance and suitable for alkaline waste water, compressed air terpolymer (oil free) and chemicals, weather-resistant, good gastightness except for hydrocarbon. Temperature range -35°C up to +130°C Not suitable for oils or fatty media.
Perbunan® NBR <div style="border: 1px solid black; padding: 2px; display: inline-block;">yellow</div>	Acrylnitrile-butadiene-rubber	Oil and fuel quality, also suitable for gases, solvents and fats. High abrasion resistance. Temperature range -20°C up to +90°C (120°C) Not suitable for steam and hot water.
Perbunan® NBR <div style="border: 1px solid black; padding: 2px; display: inline-block;">orange</div>	Acrylnitrile-butadiene-rubber	Oil and fuel quality, also suitable for gases, solvents and fats and LPG acc. to DIN 51622. High abrasion resistance. Temperature range -20°C up to +90°C Not suitable for steam and hot water.
Perbunan® NBR <div style="border: 1px solid black; padding: 2px; display: inline-block;">yellow LT</div>	Acrylnitrile-butadiene-rubber	Oil and fuel quality, also suitable for gases, solvents and fats. High abrasion resistance. Temperature range -40°C up to +90°C (120°C) Not suitable for steam and hot water.
HNBR <div style="border: 1px solid black; padding: 2px; display: inline-block;">yellow-blue-yellow</div>	Acrylnitrile-butadiene-rubber	Oil and fuel quality, also suitable for gases, solvents, fats, cooling water and sea water. High abrasion resistance. Temperature range -20°C up to +90°C (120°C)
Perbunan® NBR <div style="border: 1px solid black; padding: 2px; display: inline-block;">white</div>	Acrylnitrile-butadiene-rubber	Foodstuff quality in accordance with RAL guidelines, good for pulps, fats, flours, juices and wines. Temperature range -20°C up to +90°C
CSM <div style="border: 1px solid black; padding: 2px; display: inline-block;">green</div>	Chloro-sulfonated polyethylen	Chemical resistant quality for acids, bases and lyes. Temperature range -20°C up to +130°C See resistance lists for specific temperatures.
Neoprene® CR <div style="border: 1px solid black; padding: 2px; display: inline-block;">grey</div>	Chloroprene rubber	Water quality, weather-resistant, suitable for some small groups of lyes as well as compressed air and lightly oil-related media. Temperature range -25°C up to +90°C
SI <div style="border: 1px solid black; padding: 2px; display: inline-block;">none</div>	Silicone-rubber	Diluted hydrochloric acids, animal and herbal oils and fats, Hydraulic fluids (HFD-R and HFD-S) Temperature range -40°C up to +200°C
Butyl® IIR <div style="border: 1px solid black; padding: 2px; display: inline-block;">red or blue</div>	Butyl-rubber	Good heat resistance, suitable for alkaline waste water, compressed air (oil free), chemicals and special hydraulic oils, weather-resistant. Temperature range -30°C up to +90°C Drinking water quality in accordance with KTW-Guidelines.
Butyl® IIR-D <div style="border: 1px solid black; padding: 2px; display: inline-block;">red/blue</div>	Butyl-rubber	Good heat resistance, suitable for alkaline waste water, compressed air (oil free), chemicals and special hydraulic oils, weather-resistant. Temperature range -25°C up to +150°C
Viton® FPM <div style="border: 1px solid black; padding: 2px; display: inline-block;">lilac</div>	Fluorine-polymer	Particularly suited to high temperatures. Good resistance to chemicals and oils, combustibles and solvents. Temperature range -20°C up to +150°C Not suitable for ketones and chlorine.
PTFE <div style="border: 1px solid black; padding: 2px; display: inline-block;">none</div>	Polytetrafluorine-ethylene	Total resistance to all media. Temperature range -50°C up to +230°C Not suitable for alkali metals in molten state and reaction-formed amides.

The indicated temperatures relate to flexible applications. In rigid applications lower temperatures can be used. For pressure and expansion details please refer to the type descriptions.

For chemical resistance please see our resistance tables.