

## Resistance of Sealing Rings

**EPDM (Keltan): Ethylene-Propylene Rubber**  
Colour: black  
Temperature limit: -20° to +120°C  
Good resistance against: Water, water vapour, acetone, ammonia, brine, methyl ethyl ketone, ozone, several acids, good resistance against ageing and weathering  
Little resistance against: Mineral oils, fats, hydrocarbon fuels, heptane, pentane, toluene, chlorinated hydrocarbons

**SI (Silicone) Silicone Rubber**  
Colour: transparent  
Temperature limit: -60° to +200°C (for short time 250°C)  
Good resistance against: Water / steam (up to 120°C), acetone, ammonia (gas and in water), ozone, several organic oils and fats, brine, good resistance against ageing and weathering, **suitable for food**  
Little resistance against: Mineral oils, fats, hydrocarbon fuels, acids, heptane, pentane, aromates, chlorinated hydrocarbons, ammonia (liquid)

**NBR (Perbunan) Nitril Rubber**  
Colour: grey  
Temperature limit: -20° to +100°C (for short time 120°C)  
Good resistance against: Chlorinated hydrocarbons, ammonia, heptane, pentane, organic and mineral oils and fats, **suitable for food**  
Little resistance against: Acetone, weathering, methyl ethyl ketone, ozone, acids

**FPM (Vitone) Fluoric Rubber**  
Colour: brown-red  
Temperature limit: -20° to +200°C (for short time 300°C if mounted, or else tears at the bonding surface)  
Good resistance against: Ammonia (gas and in water), aromates (benzene, toluene, ...), chlorinated hydrocarbons, brine, acids, heptane, ozone, organic and mineral oils and fats, water / steam (up to 150°C), excellent resistance to ageing and weathering, general high resistance against chemicals  
Little resistance against: Acetone, ammonia (liquid), methyl ethyl ketone

Other chemical or PTFE coatings on request.  
The given resistances are standard values.  
They are to be checked by customers or by KMH.