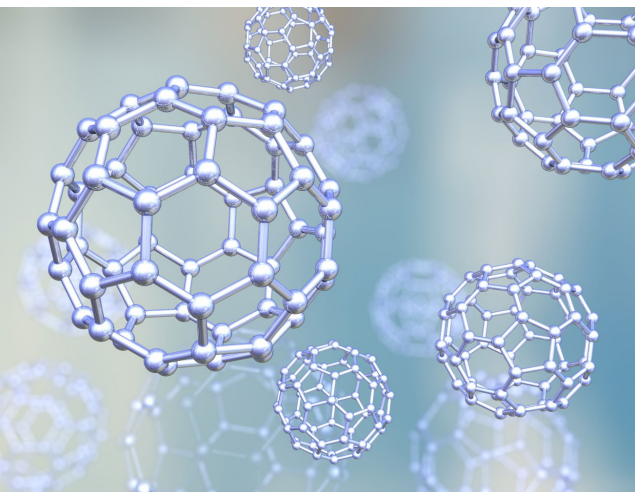


PERTEC® ST FKM



In many industries the requirements for high tech materials become more and more demanding. Where the automotive industry has a great need for low permeability and good abrasion resistance, the oil drilling industry demands high elongation and hardness and for the electronic and food industry FDA compliance and low release of metal ions is essential. Staying competitive means keeping up with the newest technology and adapt to the according new challenges.

With PERTEC® ST FKM Angst+Pfister developed an outstanding new compound that is highly resistant against steam and hot water with a very long life time.

The special compound mixture and a high fluorine content make PERTEC® ST FKM perfectly suitable for the use within steam applications like steam based heating systems, steam turbines, jet pumps, gas atomization (gas flares) or for steam cleaning like soot blowers. It is also perfectly suitable for hot water applications like closed piping systems for hot water pumping.

Features

Due to its special formula PERTEC® ST FKM can perfectly be economically processed both with the compression method (CM) and also with the injection method (IM) which enables highest flexibility with regard to an optimal individual production. Furthermore this does not only have a significant positive effect on the quality but also on the price.

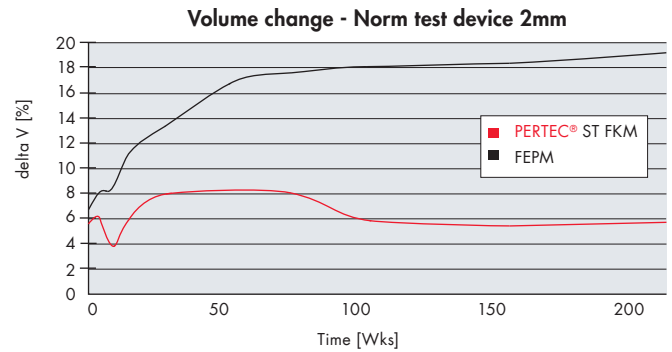
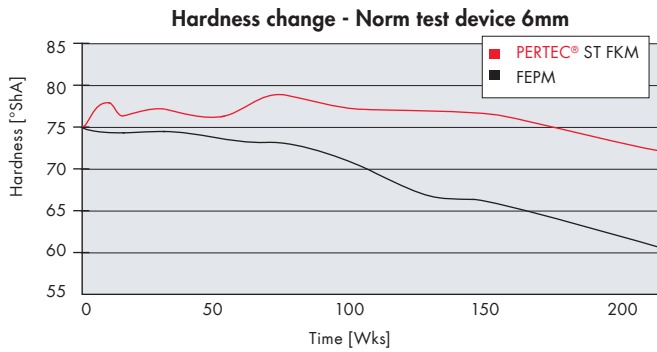
Benefits

- Broad chemical resistance over a wide range of aggressive liquids
- Very good ozone-, weather-, age- and oxygen-resistance
- Excellent resistance in mineral oils and greases
- Low gas permeability
- Temperature resistance from -15°C up to $+200^{\circ}\text{C}$

Our contact details

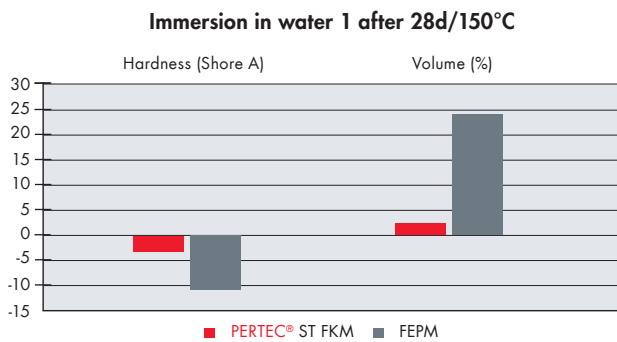
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Test in the autoclave at 150°C steam for 208 weeks*

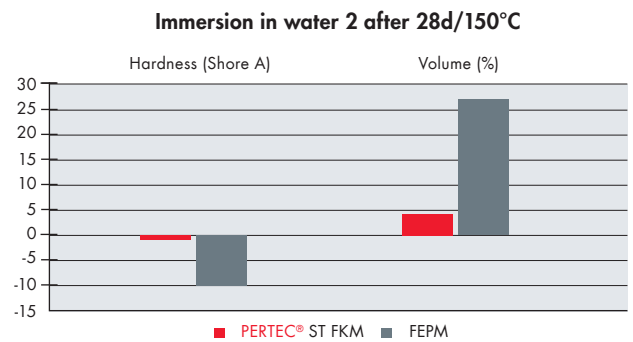


Resistance to corrosion inhibitors*

A corrosion inhibitor is a chemical substance that, when added to a liquid or gas, decreases the corrosion rate of a material, typically a metal or an alloy.



Water 1 with 150g/m³ of ST-DOS H-200 and 200g/m³ of ST-DOS H-413








Water 2 with 400g/m³ of ST-DOS H-200 and 350g/m³ of ST-DOS H-413

*This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes.

Certificates

ADI free
Phthalate free

Industries/Segments					Typical Products
Chemical 	Valves 	Pumps 	Couplings 	Turbines 	O-Rings Moulded parts Membranes