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Teflon Encapsulated O-Rings

Materials Available

There are several combinations of materials available and the application itself should determine the choice. We are happy to give advice on selection of materials so please do not hesitate in contacting Seal & Design.

Viton® Core with Fep Jacket

This choice gives the best possible sealing characteristics due to the very low compression set value of the specially formulated Viton® core. Unless there are extreme high or low temperature involved, Viton® core should be the first choice.

Temp range : -20 to +204 C.



Silicone Core with Fep Jacket

Whilst technically inferior to Viton® as a seal material, Silicone does have the ability to work at lower temperatures than Viton®.

Temp range : -60 to +204 C.



Viton® Core with Pfa Jacket

The only advantage of this combination is the extra abrasion resistance of the Pfa jacket.

Temp range : -20 to +204 C.



Silicone Core with Pfa Jacket

Silicone combined with Pfa has a very flexible temperature range, especially at the higher end.

Temp range : -60 to +260 C.



Hollow Silicone Core with Fep Jacket

Used in applications where low loading requirements are necessary, i.e. glassware or similar delicate equipment. The seal compresses easier than a solid core ring.

Temp range : -60 to +204 C.



Hollow Silicone Core with Pfa Jacket

Again the same applications as above but capable of higher temperatures.

Temp range : -60 to +260 C.

