

Encapsulated Rings (FEPs)



An encapsulated O-ring comprises of an elastomer core which has been seamlessly encapsulated in a jacket of Teflon[®] Fluoropolymer. The core is either Viton[®] (FKM), Silicone (VMQ) or EPDM, and the jacket FEP or PFA.

Encapsulated O-rings are recommended when a standard O-ring has inadequate chemical resistance for an application and a solid PTFE O-ring does not have the elasticity for reliable, long term fluid sealing.

They are often used in the chemical, petrochemical, food and pharmaceutical industries, where chemical resistance and/or hygiene are required.

We can provide practically any size of encapsulated rings, with many sizes held in stock. Offering both solid and hollow core styles as well as Cam and Groove gaskets.

Encapsulated O-rings are available in Cross Sections from 1.78mm - 25.4mm. The only limits to size are with the smaller ID's, please check our website for size limitation chart as the diameter of the cord dictates the smallest possible ID.

FEP Encapsulated O-rings offer low friction and low 'stick-slip' effect, with excellent resistance to a wide range of chemicals and typical temperature ranges of:

- Silicone core -60°C to +200°C
- Viton[®] core -20°C to +200°C

PFA Encapsulated O-rings offer extra abrasion resistance, with temperature ranges of:

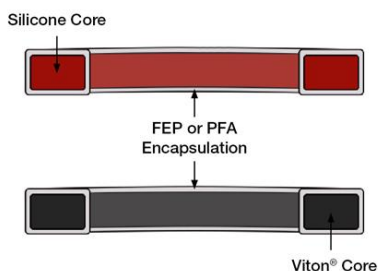
- Silicone core -60°C to +260°C
- Viton[®] core -20°C to +200°C

We supply a wide range of custom encapsulated O-rings available on short lead times, and can provide bespoke CSD profiles / shapes for our encapsulated seals.

Kam-Lock Gaskets



Kam-lock gaskets can be supplied in a combination of Viton or Silicone Core with either FEP or PFA jacket depending on the application.



The chemical resistance of the jacket means that it can be used to seal a number of many different mediums eliminating the need for different compounds to be used.

The FEP or PFA jacket means the gaskets are suitable for use in a wide range of industries including Chemical, Pharmaceutical, Food & Dairy and Petrochemical.

Low coefficient of friction allows the gaskets to be easily installed and removed.

The range covers all the universal hose coupling sizes.

Rectangular section Kam-Lock style hose coupling gaskets

Gasket Size	Nominal Sizes
0.5"	17.00 ID x 26.00 OD x 4.00mm Thick
0.75"	22.20 ID x 35.00 OD x 5.55mm Thick
1"	27.00 ID x 39.50 OD x 6.35mm Thick
1.25"	34.50 ID x 49.20 OD x 6.35mm Thick
1.5"	41.30 ID x 55.60 OD x 6.35mm Thick
2"	50.80 ID x 66.70 OD x 6.35mm Thick
2.5"	60.30 ID x 79.40 OD x 6.35mm Thick
3"	76.20 ID x 94.50 OD x 6.35mm Thick
4"	101.60 ID x 123.60 OD x 6.35mm Thick
6"	179.40 ID x 152.40 OD x 6.35mm Thick