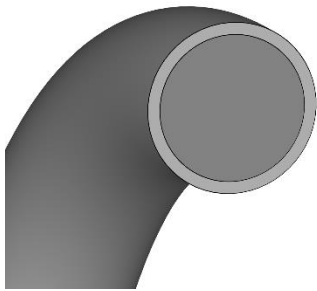


OR ENCAP



DESCRIPTION

Product group: OR ENCAP O-ring encapsulated
Material: FEP/FKM, FEP/VMQ
Colour: transparent/black, transparent/red-brown

OPERATIONAL APPLICATION LIMITS

Material	Temperature [°C]	Pressure [bar]	Material properties
VMQ	-60 to +205	≤ 200	With elastic VMQ core
FKM	-20 to +205	≤ 200	With elastic FKM core

The above-mentioned operating parameters are maximum values and may not occur simultaneously. Each is dependent on the other operating parameters.

APPLICATION

FEP-coated O-rings are widely used where there is a demand for elastic properties with the requirements for high thermal and chemical stresses. The core material is selected according to the temperature application range.

FUNCTION

FEP coated O-rings are used for sealing static applications and are unsuitable for dynamic applications.

ADVANTAGES

- Universally applicable
- Good price-performance ratio
- Almost all standard dimensions available
- Extremely high chemical resistance of the sheathing protects the elastic core material from attack by the medium used
- Very low coefficient of friction due to coating
- Wide range of applications:
 - Chemical industry/ textile industry
 - Plastics processing

INSTALLATION

FEP-coated O-rings may only be stretched or compressed within very small limits during assembly, as this will otherwise impair their sealing function and service life. Due to the limited expandability and compressibility, assembly requires special care:

- Heating in hot water or oil to approx. 80°C to 100°C increases the flexibility of the FEP sheathing and thus facilitates installation.
- Dust, dirt, metal chips and other particles must be removed from the installation space.
- Threaded tips and installation spaces for other sealing and guiding elements should be covered with the use of an assembly sleeve.
- Any mounting tools or sleeves used should be made of soft material such as polyoxymethylene (POM) and be free of sharp edges.
- Mounting surfaces and FEP coated O-rings should be coated with a suitable oil/grease to facilitate assembly. Ideally, the medium to be sealed should be used.
- FEP coated O-rings should ideally be mounted in a split groove.