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**SPECS &  
INFORMATION**



FKM (Viton®) O-rings have excellent chemical resistance and can be used in a temperature range between 15°C and 200°C. Although FKM is generally more expensive than NBR (nitrile) O-rings, it has found wide acceptance in the aircraft, automotive and chemical industries.

The terms FPM, FKM and Viton® can lead to incorrect interpretations. These designations represent a single base material: fluorocarbon rubber.

On special request, IQ-Parts can also supply specially formulated FKM O-rings that meet the standards Norsok M710, FDA, USP Class VI, UL94 V0, EN549, Viton® A, B, G, GF, GLT, GFLT, ETP. Please [contact](#) us for more information.

#### **Temperature range**

Up to 200°C (intermittent)

Up to -15°C

Recommended temperature range -10°C to +180°C

#### **Chemical resistance**

- Mineral oil and grease, ASTM oil No. 1 and IRM 902 and IRM 903 oils
- Non-flammable hydraulic fluids (HFD)
- Silicone oil and grease
- Mineral and vegetable oil and fat
- Aliphatic hydrocarbons (butane, propane, natural gas)
- Aromatic hydrocarbons (benzene, toluene)
- Chlorinated hydrocarbons (trichloroethylene and carbon tetrachloride)
- Gasoline (including high alcohol content)
- High vacuum
- Very good ozone, weather and aging resistance

Not compatible with:

- Glycol-based brake fluids
- Ammonia gas, amines, alkalis
- Superheated steam
- Low molecular weight organic acids (formic acid and acetic acid)







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