

iQ parts
IQ-PARTS-SHOP.COM



**SPECS &
INFORMATION**



PTFE is a very resilient material that is unaffected by virtually all known acids, alkalis and solvents. It is strong, wear-resistant and can withstand temperatures between -70°C and $+250^{\circ}\text{C}$. It also features excellent weather, ozone and electrical resistance. For this reason, it is the O-ring of choice for use in the aerospace, food, pharmaceutical and telecommunications industries.

PTFE could be a more economical alternative to FFKM materials, but they are not easy to compress and have little memory to return to their original shape. This can be a disadvantage if it is under permanent pressure and may not provide the best durable seal.

Temperature range

Up to 250°C (intermittent)

Up to -70°C

Recommended temperature range -60°C to $+230^{\circ}\text{C}$

Chemical resistance

- Excellent resistance to almost all chemicals
- Not subject to aging, so virtually infinite shelf life
- Can be used in, among others, the food, chemical and medical industries
- Low elasticity (memory), making it unsuitable for dynamic applications unless activated by suitable material (such as rubber)
- Low coefficient of friction

Not compatible with:

- Low compression vacuum seal flanges
- High vacuum seals
- High temperature steam





info@iq-parts.nl
Harsweg 34A
2461 EZ Ter Aar
T +31 252 624 126
The Netherlands