TECHNICAL REPORT

FF7508 (White Perfluoroelastomer)

USP VI / Food processing / Superior chemical resistance

FF7508 is a white FFKM specifically formulated to meet the requirements of bio-medical and food processing applications. FF7508 offers industry leading chemical resistance while maintaining high purity and excellent resistance to steam.

With its compliance to FDA and USP Class VI and universal chemical compatibility, FF7508 is especially suited for handing API's (Active Pharmaceutical Ingredients), WFI (Water for Injection), sterilization and systems where purity and high performance are expected.

Physical Properties	
Hardness, Shore A	73.9
Tensile at Break, psi	2404
100% Modulus, psi	1229
Elongation at Break, %	176
Specific Gravity, g/cm^3	2.38
Compression Set, %, ASTM D395 B	
70 hr at 200 °C	31

Certification for USP <88> VI & ISO 10993-5

Seals used in food processing and bio-pharma industries must withstand aggressive cleaning agents in routine CIP and SIP processes. It is crucial the sealing material is resistant to a wide range of chemicals and exhibit minimal change to ensure long term seal performance. FF7508 proves to combine purity and superior chemical resistance making it an ideal choice for your critical applications.

Chemical Resistance	
Acetic acid (70%) at 70°C	A
Citric acid (50%) at 70°C	A
Nitric acid (60%) at 70°C	A
Isopropanol at 70°C	A
Acetone at 23°C	A
Potassium Hydroxide (50%) at 80°C	A
Sodium Hydroxide (50%) at 80°C	A
Ethylene Diamine (98%) at 23°C	A
Toluene at 50°C	A

Criteria: A: 0-10% volume swell, B: 10-20%, C: >20%

Features

- USP VI & ISO 10993-5
- FDA compliance
- Superior chemical resistance

Recommended applications

- Bio-medical
- Pharmaceutical
- Food processing

Service temperature range

- Continuous: -10°C to 230°C
- Excursions to 250°C

Please contact us for further assistance if your application falls out of this range