



Garlast® 4075 Perfluoroelastomer

Overview

Garlast® 4075 has excellent chemical corrosion resistance, including organic and inorganic acids, alkalis, esters, ethers, and ketones, aldehydes, superheated water and water vapor, etc. The maximum operating temperature is 230°C.

Garlast® 4075 is particularly suitable for FDA-cleared food, pharmaceutical, and other industries that require high-cleanliness environments.

Garlast® 4075 can be processed into O-rings, diaphragms, gaskets, rubber strips, adhesive plates and customized products for customers.

Application Equipment

- Mechanical seals
- Pumps
- Valves
- Compressors
- Centrifuges
- Metering and control instrumentation
- Reactors
- Agitators and grinders
- Analytical instruments
- Spraying equipment

Color

white

Mechanical properties

Hardness ¹	Shore A	73
100% constant tensile stress ²	MPa	7.4
Tensile strength ²	MPa	13.8
Elongation at break ²	%	175
Compression set deformation ³ , 70h×204°C	%	22

1. ASTM D2240
2. ASTM D412, 500mm/min
3. ASTM D395B, 214-O-RING

Chemical media resistance

Chemical media	Media resistant grade
Aromatic hydrocarbon-based / aliphatic hydrocarbon-based oils	++++
Acid	++++
Alkali	++++
alcohol	++++
Aldehyde	++++
Amine	+++
Ether	++++
esters	++++
Ketones	++++
Superheated water, water vapor	++++
Strong oxidant	++
Ethylene oxide / propylene oxide	++++
Hot air	+++

- ++++ = Excellent
 +++ = Good
 ++ = Fair
 + = Poor
 × = N/A