Garlast® 6075 Perfluoroelastomer

Overview

Garlast® 6075 has excellent chemical corrosion resistance, including organic and inorganic acids, alkalis, esters, ethers, and ketones, aldehydes, amines, superheated water and water vapor, etc. It has a maximum operating temperature of 230°C and excellent low compression set in high-temperature environments.

Garlast® 6075 is particularly suitable for high-temperature amines (> 70°C).

Garlast® 6075 can be processed into O-rings, diaphragms, gaskets, rubber strips, adhesive plates, and customized products.

Application Equipment

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

Color

Black

Mechanical properties

Hardness [1]	Shore A	75
100% constant tensile stress [2]	MPa	6.3
Tensile strength [2]	MPa	21.4
Elongation at break[2]	%	194
Compression set deformation [3], 70h×204°C	%	19

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