



## Garlast® 2175 Perfluoroelastomer

### Overview

Garlast® 2175 has excellent resistance to chemical corrosion and hot-air aging. The maximum continuous service temperature is 316°C, which can be used at slightly higher temperatures for a short period of time, and has a very low temperature in the high temperature environment. Compression set deformation, good resilience under high and low temperature alternating loop conditions.

Garlast® 2175 is not intended for use with amines, superheated water and water vapor, ethylene oxide, and propylene oxide.

Garlast® 2175 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

Black

### Mechanical properties

Hardness <sup>1</sup>	Shore A	75
100% constant tensile stress <sup>2</sup>	MPa	9.8
Tensile strength <sup>2</sup>	MPa	16.5
Elongation at break <sup>2</sup>	%	160
Compression set deformation <sup>3</sup> , 70h×204°C	%	25

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