



Garlast® 2090 Perfluoroelastomer

Overview

Garlast® 2090 has excellent chemical corrosion resistance and hot air aging properties. With a maximum continuous service temperature of 316 °C, the Garlast® 2090 is particularly suitable for high-pressure environments.

Garlast® 2090 is not suitable for use with amines, superheated water and water vapor, ethylene oxide, and propylene oxide.

The Garlast® 2090 can be processed into O-rings 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 ¹	Shore A	87
100% constant tensile stress ²	MPa	11.8
Tensile strength ²	MPa	15.6
Elongation at break ²	%	123
Compression set deformation ³ ,70h×204°C	%	35

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