



Garlast® 3090 Perfluoroelastomer

Overview

Garlast® 3090 offers excellent chemical corrosion resistance, with a maximum continuous service temperature of 300°C.

Garlast® 3090 is particularly suitable for high-temperature and high-pressure superheated water and water vapor.

Garlast® 3090 can be processed into O-rings and custom products.

Application Equipment

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

Color

Black

Mechanical properties

Hardness ¹	Shore A	92
100% constant tensile stress ²	MPa	15.8
Tensile strength ²	MPa	17.6
Elongation at break ²	%	111
Compression set deformation ³ , 70h×204°C	%	23

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