



Garlast® 7080 Perfluoroelastomer

Overview

Garlast® 7080 offers the highest continuous service temperature in the Garlast® FFKM line, rated to 325°C.

Garlast® 7080 provides excellent hot-air aging performance and broad chemical resistance for extreme-temperature sealing.

Garlast® 7080 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	80
100% constant tensile stress ²	MPa	12.5
Tensile strength ²	MPa	17
Elongation at break ²	%	153
Compression set deformation ³ , 70h×204°C	%	14

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