



Garlast® 6091 Perfluoroelastomer

Overview

Garlast® 6091 is an EDR (explosion-decompression resistant) grade with high hardness (90 Shore A), for service up to 230°C.

Garlast® 6091 offers excellent resistance to amines and a wide range of aggressive chemicals.

Garlast® 6091 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	90
100% constant tensile stress ²	MPa	18.4
Tensile strength ²	MPa	20.1
Elongation at break ²	%	118
Compression set deformation ³ , 70h×204°C	%	26

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