

Garlast[®]9091

Perfluoroelastomer parts

Suzhou Diwei sealing technology Co.,Ltd

Color: black

General Description

Garlast 9091 is

A carbon black-filled compound, with higher hardness/modulus. This compound have been developed to provide outstanding resistance to rapid gas decompression (RGD)

extends the low temperature sealing capability of perfluoroelastomers from $-42\text{ }^{\circ}\text{C}$ to $230\text{ }^{\circ}\text{C}$

Applications

- Controls/instrumentation
- Mechanical seals
- Sprayers/dispensers
- Pump housings Mixe
- Bearing isolators
- Reactors
- Valves Compressors

Typical Physical Properties¹

Hardness ² , Shore A ± 5		89
100% Modulus ³ ,	MPa	10.3
Tensile at Break ³ ,	MPa	12.5
Elongation at Break ³ ,	%	120
Compression Set ⁴ ,	%	30
70h at 204°C		

¹ Not to be used for specifications

² ASTM D2240

³ ASTM D412, 500 mm/min (20 in/min)

⁴ ASTM D395 B, 214 o-rings

Chemical Resistance

<i>Chemical Resistance to</i>	
Aromatic/Aliphatic oil	++++
Acids	++++
Bases	++++
Alcohols	++++
Aldehydes	++++
Amines	+++
Ethers	++++
Esters	++++
Ketones	++++
Steam/Hot water	++++
Strong Oxidizers	++
Ethylene Oxide	++++

++++ = Excellent

++ = Good

+++ = Very Good

+ = Fair

x = Not Recommended