

Technical information

Garlast® 6095

Perfluoroelastomer parts

SuzhouDiwisealingtechnologyCo.,Ltd

Color: black

General Description

Garlast 6095 is a carbon black-filled compound for general use in O-rings, seals, diaphragms and other parts specifically for the chemical process industry. This compound has excellent, broad chemical resistance, good mechanical properties. 6095 is well suited for use in mixed process streams because of its excellent resistance to acids, bases. In addition, it is the suggested compound for use in hot water, steam, ethylene oxide and propylene oxide. Furthermore, **6095 has an excellent outstanding resistance to hot amines.** Maximum continuous service temperature of 230°C is recommended. 6095 has an excellent outstanding resistance to hot amines. Have been developed to provide outstanding resistance to RGD.

Typical Physical Properties¹

Hardness ² , Shore A ±5		93
100% Modulus ³ ,	MPa	18.3
Tensile at Break ³ ,	MPa	21.0
Elongation at Break ³ ,	%	83
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

Applications

- Mechanical seals
- Valves
- Pump housings
- Sampling/metering
- Reactors
- Bearing isolators
- Mixers
- Compressors
- Sprayers/dispensers
- Controls/instrumentation

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