

Garlast® 6075

Perfluoroelastomer parts

Suzhou Diwei sealing technology Co.,Ltd

Color: black

General Description

Garlast 6075 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. 6075 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, **6075 has an excellent outstanding resistance to hot amines.** Maximum continuous service temperature of 230 °C is recommended.

Applications

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

Typical Physical Properties¹

Hardness ² , Shore A ±5		75
100% Modulus ³ ,	MPa	6.3
Tensile at Break ³ ,	MPa	21.4
Elongation at Break ³ ,	%	194
Compression Set ⁴ ,	%	19
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