

# Garlast<sup>®</sup> 1075

Perfluoroelastomer parts

Suzhou Diwei sealing technology Co.,Ltd

**Color: black**

## General Description

Garlast 1075 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, and outstanding hot-air aging properties. 1075 is well suited for use in mixed process streams because of its excellent resistance to acids, bases, hot water, steam, ethylene oxide and propylene oxide.. 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 Properties<sup>1</sup>

Hardness <sup>2</sup> , Shore A ±5		78
100% Modulus <sup>3</sup> ,	MPa	15.0
Tensile at Break <sup>3</sup> ,	MPa	22.1
Elongation at Break <sup>3</sup> ,	%	139
Compression Set <sup>4</sup> ,	%	23
70h at 204°C		

<sup>1</sup> Not to be used for specifications

<sup>2</sup> ASTM D2240

<sup>3</sup> ASTM D412, 500 mm/min (20 in/min)

<sup>4</sup> 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