

Garlast® 6378

Perfluoroelastomer parts

Suzhou Diwei sealing technology Co.,Ltd

General Description

Garlast 6378 designed specifically for the chemical process industry, combines new polymer technology with innovative patented curing technology. Compound 6378 is designed to give outstanding performance in the widest possible range of chemicals and temperatures. This product is an excellent choice for use in acids, bases, amines, steam, ethylene oxide, and many other aggressive chemicals. Mixed streams, once a problem for many chemical processors, can now be handled by compound 6378. The new curing system also allows for a continuous upper service temperature of 275 °C (525 °F). This high temperature stability translates to increased chemical resistance over all temperature ranges, especially if high temperature process excursions occur. This combination of chemical and thermal resistance provides advantages for chemical processors.

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		76
100% Modulus ³ ,	MPa	11.6
Tensile at Break ³ ,	MPa	15.8
Elongation at Break ³ ,	%	129
Compression Set ⁴ ,	%	15
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