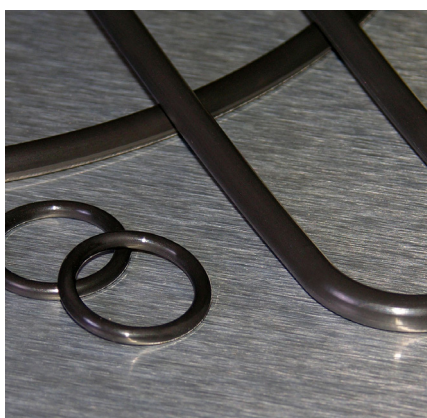


Chemraz® 504

Broad Chemical Resistance



Applications

- Mechanical seals
- Valves
- Pump housings
- Sampling/metering equipment
- Reactors
- Mixers
- Controls/instrumentation
- Sprayers/dispensers
- Couplings

Sealing Solutions

Greene Tweed's Chemraz® 504, a 65 Shore A hardness perfluoroelastomer, provides an extremely broad range of chemical resistance and is perfect for services with low pressures and/or low temperatures. Chemraz® 504 seals effectively in temperatures ranging from -22°F to 446°F (-30°C to 230°C). Chemraz® 504 is well suited for a variety of applications, from mechanical seals to valve housings.

Chemraz® 504 is available for use as o-rings, gaskets, and many other custom shapes. Because of its versatility, Chemraz® 504 is often used as a standard compound and can be found in a variety of fluids and solutions, including acids, caustics, aldehydes, esters, aromatics, hot water, steam, amines, methanol, ketones, TBA, and MTBE.

Features and Benefits

- Broad chemical compatibility for use with a wide range of harsh solutions
- Lower compression set provides better ability to handle temperature and pressure variations, shaft misalignment, and o-ring shrinkage
- Low-temperature capabilities (-22°F/-30°C)

Typical Properties	
Physical Properties (ASTM Standard)	Typical
Color	Black
Specific Gravity (D297)	1.95
Hardness, Shore A, Points (D2240)	65
Mechanical (ASTM Standard)	
Compression Set, 70 Hours @ 400°F (204°C) @ 25% Deflection, % (D395)	30
Elongation @ Break, % (D1414)	150
Modulus @ 50% Elongation, psi (MPa) (D1414)	180 (1.2)
Modulus @ 100% Elongation, psi (MPa) (D1414)	530 (3.7)
Tensile Strength @ Break, psi (MPa) (D1414)	1,050 (7.2)
Thermal	
Service Temperature Range, °F (°C)	-22°F to 446°F (-30°C to 230°C)

*Unless otherwise indicated, all tests are performed on -214 o-rings.

Contact Us

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08/18-GT EN-DS068-US-08-29-2016