

CHEMRAZ® 504

SEALING SOLUTIONS

Greene, Tweed's Chemraz® 504, a 65 Shore A hardness perfluoro-elastomer, 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.

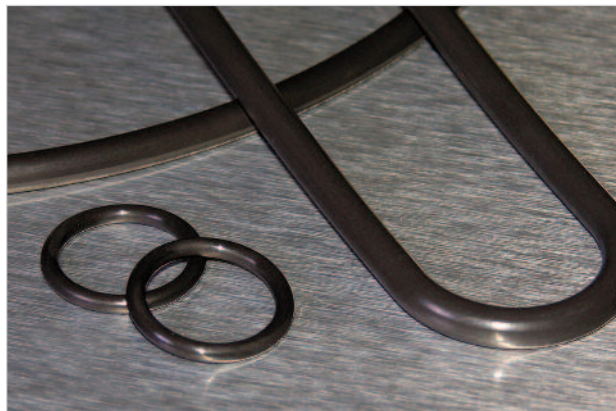
Chemraz 504 is available for use as O-rings, gaskets and many other custom shapes. Because of its versatility, Chemraz 504 is often used as a standard compound and can be found in a variety of fluids and solutions including acids, caustics, aldehydes, esters, aromatics, hot water, steam, amines, methanol,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

FEATURES & 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)

APPLICATIONS

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



TYPICAL PROPERTIES*

Physical Properties	ASTM Method	Typical Value
Color		Black
Specific Gravity	D297	1.95
Hardness, Shore A, Points	D2240	65
Mechanical		
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)

* Note: Unless otherwise indicated, all tests are performed on (-214) O-rings.



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