



CHEMRAZ[®] 510

SEALING SOLUTIONS

Greene, Tweed's Chemraz[®] 510, a perfluoroelastomer, offers an extremely broad range of chemical resistance with a Shore A hardness value of 90. With a temperature range from -22°F to 446°F (-30°C to 230°C), Chemraz 510 is well suited for use in a range of applications, from mechanical seals to pump housings.

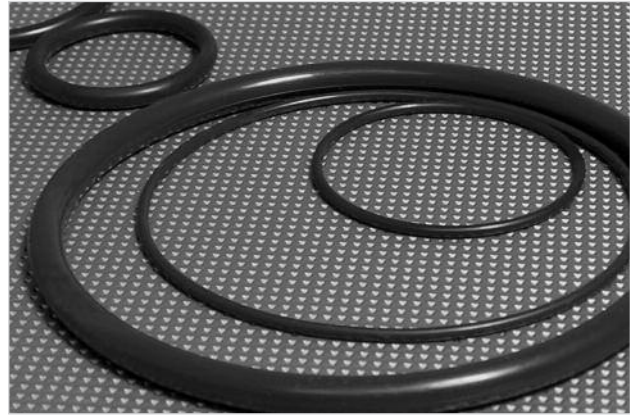
Because of its versatility, Chemraz 510 is often used as a standard compound for sealing at high pressures. It can be found in a variety of fluids and solutions including acids, caustics, aldehydes, esters, aromatics, hot water, steam, amines, methanol, ketones, TBA and MTBE. Chemraz 510 is available for use as O-rings, gaskets and many other custom shapes.

FEATURES & BENEFITS

- Broad chemical compatibility for use with a wide range of harsh solutions
- Low temperature capabilities (-22°F/-30°C)
- Higher hardness and density reduces likelihood of gap extrusion

APPLICATIONS

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



TYPICAL PROPERTIES*

Physical Properties	ASTM Method	Typical Value
Color		Black
Specific Gravity	D792	1.92
Hardness, Type A, Points	D2240	90
Mechanical		
Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, %	D395	30
Elongation @ Break, %	D1414	85
Modulus @ 50% Elongation, psi (MPa)	D1414	1,100 (7.6)
Tensile Strength @ Break, psi (MPa)	D1414	1,970 (14)
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.

chemraz[®] 510 / product data

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