

# CHEMRAZ<sup>®</sup> 514

## SEALING SOLUTIONS

Greene, Tweed's Chemraz<sup>®</sup> 514, a perfluoroelastomer, is a white specialty compound, perfect for applications where contamination from carbon black must be prevented. Chemraz 514 offers a Shore A hardness value of 70. Because of its wide temperature range, -22°F to 428°F (-30°C to 220°C) Chemraz 514 is ideally suited for applications ranging from mechanical seals to valves.

Available for use as O-rings, gaskets and many other custom shapes.

## FEATURES & BENEFITS

- No carbon black residue
- Low temperature capabilities (-22°F/-30°C)

## APPLICATIONS

- Mechanical seals
- Pump housings
- Reactors
- Mixers
- Valves
- Couplings
- Sprayers and dispensers



## TYPICAL PROPERTIES\*

| Physical Properties   | ASTM Method | Typical Value                   |
|---|-------------|---------------------------------|
| Color   |             | White                           |
| Specific Gravity  | D297        | 2.12                            |
| Hardness, Shore A, Points                                     | D2240       | 70                              |
| <b>Mechanical</b>   |             |                                 |
| Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, % | D395        | 25                              |
| Elongation @ Break, %   | D1414       | 190                             |
| Modulus @ 50% Elongation, psi (MPa)                           | D1414       | 300 (2.1)                       |
| Modulus @ 100% Elongation, psi (MPa)                          | D1414       | 680 (4.7)                       |
| Tensile Strength @ Break, psi (MPa)                           | D1414       | 1,460 (10)                      |
| <b>Thermal</b>  |             |                                 |
| Service Temperature Range, °F (°C)                            |             | -22°F to 428°F (-30°C to 220°C) |

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

## Contact Us

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