



CHEMRAZ® 514

SEALING SOLUTIONS

Greene, Tweed's Chemraz® 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
Mechanical		
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)
Thermal		
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.

chemraz® 514 / product data

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