

CHEMRAZ® 584

Durable Compound in Aggressive Chemicals

SEALING SOLUTIONS

Chemraz® 584, a white perfluoroelastomer, provides excellent performance in a wide variety of biotechnology and medical device applications where the seal may be exposed to strong oxidizing fluids and hot aqueous solutions. Chemraz 584 is ideal for critical seals found in dynamic and static analytical equipment and solenoid valves where application temperatures range from -22°F to 428°F (-30°C to 220°C).

FEATURES & BENEFITS

- Withstands steam sterilization and autoclaving
- Withstands prolonged exposure to strong oxidizing fluids and hot aqueous solutions
- Unique filler system for outstanding chemical resistance
- Dependable balance of physical properties

APPLICATIONS

- Solenoid Valves—Diaphragms
- Analytical Instrumentation—Gaskets and well plate gaskets



TYPICAL PROPERTIES*

Physical	ASTM Method	Typical Value
Color		White
Polymer Type		Perfluoroelastomer
Specific Gravity	D297	1.98
Hardness, Shore A	D2240	70
Mechanical		
Tensile Strength, psi (MPa)	D1414	1300 (9.0)
Elongation, %	D1414	145
Thermal		
Tensile Modulus, psi (MPa)		
Modulus @ 50% Elongation	D1414	350 (2.4)
Modulus @ 100% Elongation	D1414	780 (5.4)
Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, %	D395	35
Service Temperature Range		-22°F to 428°F (-30°C to 220°C)

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

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.

Prior to actual use it is recommended compatibility tests be run to determine suitability in a specific application. This is critical where failure could result in injury or damage. A regular program of inspection and replacement should be implemented. Greene, Tweed technical personnel are available to help with a recommendation.

Contact Us

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