

CHEMRAZ® 585

Durable Compound in Aggressive Chemicals & Higher Sealing Loads

SEALING SOLUTIONS

Chemraz® 585, a white perfluoroelastomer, FDA and USP Class VI compliant. Recommended for a wide variety of biotechnology and medical device applications where the seal may be exposed to strong oxidizing fluids and hot aqueous solutions, Chemraz 585 offers excellent performance in analytical equipment and solenoid valves. Chemraz 585 works well in applications requiring higher sealing loads and withstands temperatures ranging from -22°F to 428°F (-30°C to 220°C).

FEATURES & BENEFITS

- Withstands steam sterilization and autoclaving
- Withstands strong oxidizing fluids and hot aqueous solutions
- Unique filler system for outstanding chemical resistance and longer use
- USP Class VI and FDA 21 CFR 177.2400 compliant
- 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	1.99
Hardness, Shore A	D2240	80
Mechanical		
Tensile Strength, psi (MPa)	D1414	1825 (12.6)
Elongation, %	D1414	165
Tensile Modulus, psi (MPa)		
Modulus @ 50% Elongation	D1414	625 (4.3)
Modulus @ 100% Elongation	D1414	1240 (8.5)
Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, %	D395	35
Thermal		
Service Temperature Range		-22°F to 428°F (-30°C to 220°C)

* Note: Unless otherwise indicated, all test 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

Greene, Tweed Tel: +1.215.256.9521
 Medical & Biotechnology Fax: +1.215.256.0189
 Kulpville, PA, USA

www.gtcmedical.com