CHEMRAZ® 605

General-Purpose Compound for Steam Sterilization

HIGH TEMPERATURE SEALING SOLUTIONS

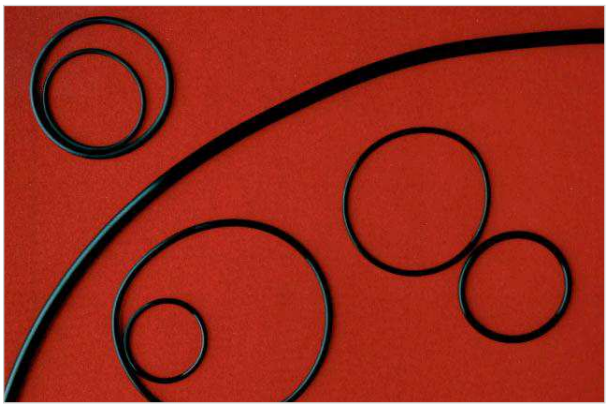
Chemraz® 605 is recommended for a wide variety of biotechnology and medical device applications requiring seal reliability and device autoclaving. Chemraz 605 provides excellent performance in solenoid valve diaphragms and seals in endoscopic camera bodies. Designed for use in both static and dynamic applications, Chemraz 605 offers excellent performance in a broad range of temperatures, from -4°F to 500°F (-20°C to 260°C).

FEATURES & BENEFITS

- Superior steam resistance and withstands autoclaving
- Suitable for high-temperature applications up to 500°F (260°C)
- Excellent mechanical properties
- Good chemical resistance for longer life
- NAMSA USP Class VI certified

APPLICATIONS

- Solenoid Valves—Diaphragms
- Medical Orthopedic—Endoscopic camera seals



TYPICAL PROPERTIES*

Physical	ASTM Method	Typical Value
Color		Black
Polymer Type		Perfluoroelastomer
Specific Gravity	D297	1.97
Hardness, Shore A	D2240	80
Mechanical		
Tensile Strength, psi (MPa)	D1414	2150 (14.8)
Elongation, %	D1414	130
Tensile Modulus, psi (MPa)		
Modulus @ 50% Elongation	D1414	420 (2.9)
Modulus @ 100% Elongation	D1414	1310 (9.0)
Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, %	D395	25
Thermal		
Service Temperature Range		-4°F to 500°F (-20°C to 260°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

Greene, Tweed & Co France SAS
Medical & Biotechnology
Cergy-Pontoise, Cedex, France

Tel: +33 (0) 1.30.73.54.44
Fax: +33 (0) 1.30.73.45.75

www.gtcmedical.com

06/05-GT DS-FR-MB-016