



# CHEMRAZ® 550

## Carbon Loaded, Basic Perfluoroelastomer Seal Material

### SEALING SOLUTIONS

Chemraz® 550 is recommended for use in wet systems where chemical compatibility is required and small amounts of contamination are acceptable. This seal material has a wide variety of uses in dynamic or static processing equipment applications with service temperatures up to 210°C (410°F).

### FEATURES & BENEFITS

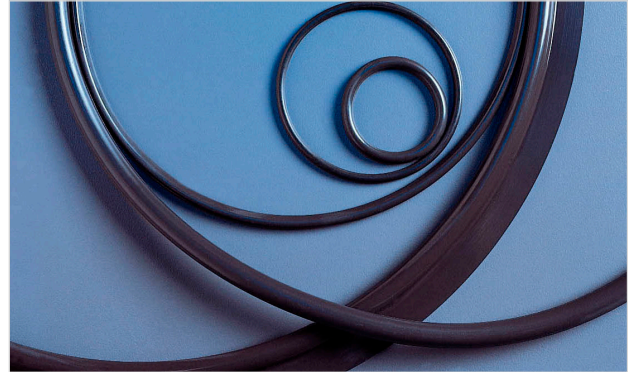
- Good chemical resistance
- Good physical properties
- Used where contamination requirements are less critical
- Excellent performance history

### APPLICATIONS

- Valve seals
- Fitting and union seals
- Gaskets
- Regulator seals
- Filter seals

### RECOMMENDED PROCESS APPLICATIONS

- Wet etch (acid, base)
- Wet stripping (solvents)
- Wet cleaning (UPDI)
- Wet metal plating



### TYPICAL PROPERTIES\*

Physical	Typical Value
Color	Black
Polymer Type	Perfluoroelastomer
Specific Gravity	1.93
Hardness, Shore A	75
Mechanical	
Tensile Strength, psi (kPa)	1750 (12066)
Elongation, %	140
Tensile Modulus, psi (kPa)	
Modulus @ 50% Elongation	450 (3103)
Modulus @ 100% Elongation	1150 (7929)
Compression Set: 70 hours @ 204°C @ 25% Deflection, %	25
Thermal	
Service Temperature Range	-30°C to 210°C (-22°F to 410°F)

\* Note: Unless otherwise indicated, all tests are performed on AS 568A (-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  
 Semiconductor                    Fax: +1.215.256.0189  
 Kulpville, PA, USA

www.gtsemi.com