



# CHEMRAZ® 571

## Durable Compound for Wet Applications with High Sealing Loads

### SEALING SOLUTIONS

Chemraz® 571 is recommended for a wide variety of semiconductor equipment wet processing applications where stringent seal reliability and contamination control are required. This seal material offers excellent performance in long-term static sealing applications in acid, solvent and ultrapure H<sub>2</sub>O. Chemraz 571 is excellent for high-sealing load designs.

### FEATURES & BENEFITS

- Very low contaminants
- Extended performance and added reliability
- Good physical properties
- Excellent performance history

### APPLICATIONS

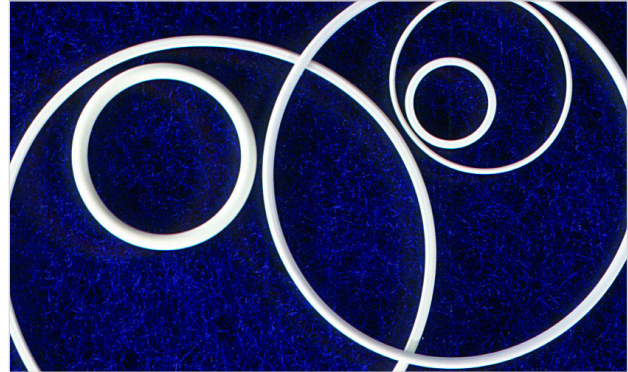
- Valve seals
- Fitting and union seals
- Gasket seals
- Regulator seals
- Filter seals
- Dispensing seals

### RECOMMENDED PROCESS APPLICATIONS

- **Wet etch (acid, base)**
- **Wet stripping (solvents)**
- **Wet cleaning (UPDI)**
- Wet metal plating
- Chemical Mechanical Planarization (CMP)

*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.*



### TYPICAL PROPERTIES\*

Physical	Typical Value
Color	White
Polymer Type	Perfluoroelastomer
Specific Gravity	1.99
Hardness, Shore A	80
Mechanical	
Tensile Strength, psi (kPa)	1550 (10687)
Elongation, %	130
Tensile Modulus, psi (kPa)	
Modulus @ 50% Elongation	625 (4309)
Modulus @ 100% Elongation	1240 (8549)
Compression Set: 70 hours @ 204°C @ 25% Deflection, %	35
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.

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