

Chemraz® 570

Minimal Particulation

Chemraz® 570 is recommended for a wide variety of semiconductor equipment wet processing applications where stringent seal reliability and contamination control is required. The material offers excellent performance in long-term static photolithography, acid/solvent, and ultrapure H₂O applications.

Typical Properties	
Physical Properties	Typical
Color	White
Polymer Type	Perfluoroelastomer
Specific Gravity	1.98
Hardness, Shore A*	70
Mechanical	
Tensile Strength, psi (kPa)	1300 (8963)
Elongation, %	145
Tensile Modulus, psi (kPa)	
Modulus @ 50% Elongation	350 (2413)
Modulus @ 100% Elongation	780 (5378)
Compression Set: 70 Hours @ 204°C @ 25% Deflection, %	35
Thermal	
Service Temperature Range	-22°F to 410°F (-30°C to 210°C)

Not to be used for specification purposes.

Unless otherwise indicated, all tests are performed on AS 568A (-214) o-rings.

** Test performed on button samples.*

Note: Color variations and dark spots that might be observed in Chemraz® parts are considered cosmetic and an inherent result of the polymer curing process. They are not foreign matter and not anticipated to adversely affect the performance of the part in service. Please contact a Greene Tweed applications engineer for additional information.



Features and Benefits

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

Applications

- Valve seals
- Fitting and union seals
- Gaskets
- 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

Contact Us

Greene Tweed
Kulpsville, PA, USA

Tel: +1.215.256.9521
Fax: +1.215.256.0189

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