

Chemraz® 550

Carbon-Loaded, Basic Perfluoroelastomer Seal Material

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 410°F (210°C).

Typical Properties	
Physical Properties	Typical
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	-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.



Features and 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

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.

Contact Us

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