

CHEMRAZ[®] 584

SEALING SOLUTIONS

Greene, Tweed's Chemraz[®] 584, a cream-colored perfluoroelastomer, is a specialty compound formulated to outlast the most demanding chemical process applications. Because of its outstanding overall chemical resistance, Chemraz 584 is the elastomer of choice for chlorine, ozone, strong oxidation fluids and hot aqueous solutions. Its recommended temperature range is -22°F to 428°F (-30°C to 220°C).

This unique cream compound is perfect for applications where contamination from carbon black must be prevented.

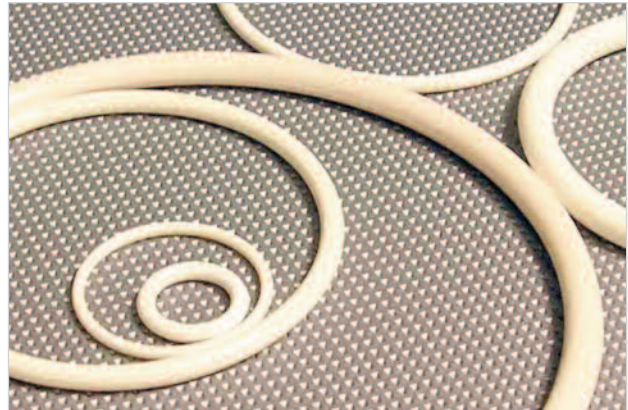
Chemraz components are available for use as O-rings, gaskets and many other custom shapes.

FEATURES & BENEFITS

- Superior chemical resistance for use in strong oxidation fluids and hot aqueous solutions as well as chlorine and ozone
- No carbon black residue

APPLICATIONS

- Mechanical seals
- Pump housings
- Reactors
- Sampling/metering equipment
- Mixers
- Valves
- Controls/instrumentation



TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Cream
Specific Gravity	D297	1.98
Hardness, Shore A, Points	D2240	70
Mechanical		
Compression Set, 70 hours @ 400°F (204°C) @ 25% Deflection, %	D395	35
Elongation @ Break, %	D1414	145
Modulus @ 50% Elongation, psi (MPa)	D1414	350 (2.4)
Modulus @ 100% Elongation, psi (MPa)	D1414	780 (5.4)
Tensile Strength @ Break, psi (MPa)	D1414	1,300 (9.0)
Thermal		
Service Temperature Range, °F (°C)		-22°F to 428°F (-30°C to 220°C)



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