

Chemraz® 585

Long Life With High Strength



Features and 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
- Couplings

Sealing Solutions

Chemraz® 585, a perfluoroelastomer, is a specialty cream compound formulated to outlast the most demanding chemical process applications. With its outstanding overall chemical resistance, Chemraz® 585 is the elastomer of choice for strong oxidation fluids and hot aqueous solutions. Its recommended temperature range is -22°F to 428°F (-30°C to 220°C).

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

Typical Properties	
Physical Properties (ASTM Standard)	
Color	Typical Cream
Specific Gravity (D297)	1.99
Hardness, Shore A, Points (D2240)	80
Mechanical (ASTM Standard)	
Compression Set, 70 Hours @ 400°F (204°C) @ 25% Deflection, % (D395)	35
Elongation @ Break, % (D1414)	165
Modulus @ 50% Elongation, psi (MPa) (D1414)	625 (4.3)
Modulus @ 100% Elongation, psi (MPa) (D1414)	1,240 (8.5)
Tensile Strength @ Break, psi (MPa) (D1414)	1,825 (12.6)
Thermal	
Service Temperature Range, °F (°C)	-22°F to 428°F (-30°C to 220°C)

Contact Us

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