

CHEMRAZ[®] 585

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.

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
- Couplings



| TYPICAL PROPERTIES | | |
|---|-------------|---------------------------------|
| Physical Properties | ASTM Method | Typical Value |
| Color | | Cream |
| Specific Gravity | D297 | 1.99 |
| Hardness, Shore A, Points | D2240 | 80 |
| Mechanical | | |
| 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) |



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