

Chemraz® 605

For Challenging Fluid-Handling Applications



Features and Benefits

- High-temperature capability
- Excellent compression set resistance
- Broad chemical compatibility for use with a wide range of harsh solutions

Applications

- Mechanical seals
- Pump housings
- Reactors
- Sampling/metering equipment
- Mixers
- Compressors
- Controls/instrumentation
- Valves
- Sprayers/dispensers
- Diaphragms
- Couplings

Sealing Solutions

Chemraz® 605, a perfluoroelastomer, is ideally suited for challenging fluid-handling applications. A high-temperature compound with superior compression set resistance, physical properties, and excellent chemical resistance, it excels in demanding static and semi-dynamic applications. Chemraz® 605 exhibits unparalleled performance with hot amines, steam, and water and functions well in increased temperatures ranging from -4°F to 500°F (-20°C to 260°C).

Available in o-rings, gaskets, and many other custom shapes, Chemraz® 605 possesses a broad chemical resistance range. Chemraz® 605 is suitable for use in a wide variety of media, including acids, caustics, aldehydes, esters, ethers, aromatics, hot water, steam, amines, methanol, ketones, TBA, and MTBE.

| Typical Properties | |
|--|-----------------------------------|
| Physical Properties (ASTM Standard) | Typical |
| Color | Black |
| Specific Gravity (D792) | 1.99 |
| Hardness, Shore A, Points (D2240) | 80 |
| Mechanical (ASTM Standard) | |
| Elongation @ Break, % (D1414) | 145 |
| Modulus @ 50% Elongation, psi (MPa) (D1414) | 420 (2.9) |
| Modulus @ 100% Elongation, psi (MPa) (D1414) | 1,310 (9) |
| Tensile Strength @ Break, psi (MPa) (D1414) | 2,500 (17.2) |
| Thermal | |
| Service Temperature Range, °F (°C) | -4°F to 500°F (-20°C to 260°C) |

* Note: Unless otherwise indicated, all tests are performed on (-214) o-rings.

Contact Us

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