

CHEMRAZ® 605

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. The 605 compound 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.

FEATURES & 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



TYPICAL PROPERTIES*

Physical Properties	ASTM Method	Typical Value
Color		Black
Specific Gravity	D792	1.99
Hardness, Type A, Points	D2240	80
Mechanical		
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.



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