

CHEMRAZ® 615

SEALING SOLUTIONS

Greene, Tweed's Chemraz® 615 exhibits outstanding high-temperature properties, with a temperature range from 0°F to 615°F (-18°C to 324°C). Chemraz 615's chemical resistance and low compression set characteristics combine to out perform tin-cured perfluoroelastomers.

Chemraz 615 shows lower compression set at high temperatures and a higher retained sealing force than other perfluoroelastomers available.

Because Chemraz 615 allows for the use of higher process operating temperatures, it is ideal for a range of markets, from chemical process to petroleum refining. This superior perfluoroelastomer performs well in a variety of fluids such as inorganic and organic chemicals, acids, reagents, heat transfer fluids and hydrocarbons.

Chemraz 615 is available in standard O-rings and custom shapes for a range of equipment, from pumps and valves to agitators and mixers, from mechanical seals and process control instruments to heat exchangers and diagnostic equipment.

FEATURES & BENEFITS

- Low compression set at continuous temperatures up to 615°F (324°C)
- Ability to handle severe thermal cycles, meaning longer life and lower downtime costs
- Does not stick at high temperatures
- Superior service life in a variety of media, including heat transfer oils
- Excellent chemical resistance



APPLICATIONS

- Mechanical seals
- Process control instruments
- Heat exchangers
- Valves
- Agitators & mixers
- Pumps
- Couplings

TYPICAL PROPERTIES		
Physical Properties	ASTM Method	Typical Value
Color		Black
Specific Gravity	D297	2.02
Hardness, Shore A, Points	D2240	80
Mechanical		
Elongation @ Break, %	D1414	170
Modulus @ 50% Elongation, psi (MPa)	D1414	400 (2.8)
Modulus @ 100% Elongation, psi (MPa)	D1414	1,000 (6.9)
Tensile Strength @ Break, psi (MPa)	D1414	1,700 (11.7)
Thermal		
Service Temperature Range, °F (°C)		0°F to 615°F (-18°C to 324°C)



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