

## Greene Tweed CHEMRAZ® 615 Perfluoroelastomer

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

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 outperform tin-cured perfluoroelastomers. Chemraz 615 shows lower compression set at high temperatures and 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. Applications: Mechanical seals Process control instruments Heat exchangers Valves Agitators & mixers Pumps Couplings Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-615-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-615-Perfluoroelastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.02 g/cc	2.02 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D1414
Tensile Strength, Yield	2.76 MPa	400 psi	@50% Elongation; ASTM D1414
	6.89 MPa	1000 psi	@100% Elongation; ASTM D1414
Elongation at Break	170 %	170 %	ASTM D1414

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	324 °C	615 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	

Descriptive Properties	Value	Comments
Color	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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