

## Greene Tweed CHEMRAZ® 514 Perfluoroelastomer

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

### Material Notes:

Greene Tweed's Chemraz® 514, a perfluoroelastomer, is a white specialty compound, perfect for applications where contamination from carbon black must be prevented. Chemraz 514 offers a Shore A hardness value of 70. Because of its wide temperature range, -22°F to 428°F (-30°C to 220°C) Chemraz 514 is ideally suited for applications ranging from mechanical seals to valves. Available for use as O-rings, gaskets and many other custom shapes. Applications: Mechanical seals, Pump housings, Reactors, Mixers, Valves, Couplings, Sprayers and dispensers. Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-514-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-514-Perfluoroelastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.12 g/cc	2.12 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength at Break	10.1 MPa	1460 psi	ASTM D1414
Tensile Strength, Yield	2.07 MPa	300 psi	@ 50% Elongation; ASTM D1414
	4.69 MPa	680 psi	@100% Elongation; ASTM D1414
Elongation at Break	190 %	190 %	ASTM D1414
Compression Set	25 %	25 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	

Descriptive Properties	Value	Comments
Color	White	

## Contact Songhan Plastic Technology Co.,Ltd.

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