

Greene Tweed CHEMRAZ® 510 Perfluoroelastomer

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

Material Notes:

Greene Tweed's Chemraz® 510, a perfluoroelastomer, offers an extremely broad range of chemical resistance with a Shore A hardness value of 90. with a temperature range from -22°F to 446°F (-30°C to 230°C), Chemraz 510 is well suited for use in a range of applications, from mechanical seals to pump housings. Because of its versatility, Chemraz 510 is often used as a standard compound for sealing at high pressures. It can be found in a variety of fluids and solutions including acids, caustics, aldehydes, esters, aromatics, hot water, steam, amines, methanol, ketones, TBA and many other custom shapes. Applications: Mechanical seals Valves Pump Housings Sampling/metering equipment Compressors Reactors Mixers Controls/instrumentation Sprayers/dispensers Couplings Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-510-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.92 g/cc	1.92 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength at Break	13.62 MPa	1975 psi	ASTM D1414
Tensile Strength, Yield	7.58 MPa	1100 psi	@ 50% Elongation; ASTM D1414
Elongation at Break	85 %	85 %	ASTM D1414
Compression Set	30 %	30 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	230 °C	446 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

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