

Greene Tweed CHEMRAZ® 555 Perfluoroelastomer

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

Material Notes:

With its broad chemical resistance, Chemraz® 555, a perfluoroelastomer, is ideally suited for challenging fluid handling applications. Chemraz 555 provides a significantly wider operational band and superior compression set resistance than any other broad range perfluoroelastomer on the market. With an upper temperature limit of 600°F (316°C), it is the elastomer of choice for the most demanding services found in the chemical process and refining industries. Chemraz 555 is suitable for use in a wide variety of media including acids, caustics, aldehydes, esters, ethers, aromatics, hot water, steam, amines, methanol, ketones, TBA, MTBE and mixed process streams. Chemraz 555 is one of Greene Tweed's many cost-effective products and services that extend the reliability and life of our customers' equipment in hostile conditions while protecting people and the environment from unwanted emissions. Chemraz 555 is available in O-rings, gaskets and many other custom shapes. Applications: Mechanical seals Valves Pump Housings Sampling/metering equipment Compressors Reactors Mixers Controls/instrumentation Sprayers/dispensers Quick connect couplings Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-555-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.00 g/cc	2.00 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	23.61 MPa	3425 psi	ASTM D1414
Tensile Strength, Yield	3.10 MPa	450 psi	@50% Elongation; ASTM D1414
	10.17 MPa	1475 psi	@100% Elongation; ASTM D1414
Elongation at Break	175 %	175 %	ASTM D1414
Compression Set	20 %	20 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	316 °C	600 °F	
Minimum Service Temperature, Air	-12.2 °C	10.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

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