

Greene Tweed CHEMRAZ® 584 Perfluoroelastomer

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

Material Notes:

Greene Tweed's Chemraz® 584, a cream-colored perfluoroelastomer, is a specialty compound formulated to outlast the most demanding chemical process applications. Because of its outstanding overall chemical resistance, Chemraz 584 is the elastomer of choice for chlorine, ozone, strong oxidation fluids and hot aqueous solutions. Its recommended temperature range is -22°F to 428°F (-30°C to 220°C). This unique compound is perfect for applications where contamination from carbon black must be prevented. Chemraz components are available for use as O-rings, gaskets and many other custom shapes. Applications: Mechanical seals, Valves, Pump Housings, Sampling/metering equipment, Reactors, Mixers, Controls/instrumentation. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-584-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.98 g/cc	1.98 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength at Break	8.96 MPa	1300 psi	ASTM D1414
Tensile Strength, Yield	2.41 MPa	350 psi	@50% Elongation; ASTM D1414
	5.38 MPa	780 psi	@100% Elongation; ASTM D1414
Elongation at Break	145 %	145 %	ASTM D1414
Compression Set	35 %	35 %	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	Cream	

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