

Greene Tweed CHEMRAZ® 504 Perfluoroelastomer

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

Material Notes:

Greene Tweeds Chemraz® 504, a 65 Shore A hardness perfluoroelastomer, provides an extremely broad range of chemical resistance and is perfect for services with low pressures and/or low temperatures. Chemraz 504 seals effectively in temperatures ranging from -22°F to 446°F (-30°C to 230°C). Chemraz 504 is well suited for a variety of applications, from mechanical seals to valve housings. Chemraz 504 is available for use as O-rings, gaskets and many other custom shapes. Because of its versatility, Chemraz 504 is often used as a standard compound and can be found in a variety of fluids and solutions including acids, caustics, aldehydes, esters, aromatics, hot water, steam, amines, methanol, ketones, TBA and MTBE. Applications: Mechanical seals, Valves, Pump Housings, Sampling/metering equipment, 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-504-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 g/cc	1.95 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	ASTM D2240
Tensile Strength at Break	7.24 MPa	1050 psi	ASTM D1414
Tensile Strength, Yield	1.24 MPa	180 psi	@ 50% Elongation; ASTM D1414
	3.65 MPa	530 psi	@ 100% Elongation; ASTM D1414
Elongation at Break	150 %	150 %	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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