

Greene Tweed CHEMRAZ® 600 Perfluoroelastomer

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

Material Notes:

Chemraz® 600, a perfluoroelastomer, works well in both high and low temperatures. It is capable of withstanding temperatures ranging from -4°F to 500°F (-20°C to 260°C). Additionally, Chemraz 600 provides good performance in hot water and steam. Because of its high durometer rating (Shore A 90), components made from Chemraz 600 offer greater resistance in high pressure and aggressive environments. Chemraz 600 has an extremely broad chemical resistance range and is made from a high-density base polymer. Chemraz 600 offers a low compression set and is perfect for sealing at high pressures. Components made from Chemraz 600 are available for use as O-rings, gaskets and many other custom shapes. Applications: Mechanical seals, Pump housings, Reactors, Mixers, Compressors, Valves. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-600-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.97 g/cc	1.97 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength at Break	22.4 MPa	3250 psi	ASTM D1414
Tensile Strength, Yield	9.72 MPa	1410 psi	@50% Elongation; ASTM D1414
	20.8 MPa	3010 psi	@100% Elongation; ASTM D1414
Elongation at Break	110 %	110 %	ASTM D1414

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

Descriptive Properties	Value	Comments
Color	Black	

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