

Greene Tweed CHEMRAZ® 565 Perfluoroelastomer

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

Material Notes:

Chemraz® , a proprietary Greene, Tweed compound, has the broadest chemical resistance of any elastomeric material. Chemraz combines the resilience and sealing force of an elastomer with chemical resistance approaching that of PTFE. Chemraz designs last longer and seal better in harsh environments at a wider range of temperatures than any other elastomer on the market. Chemraz solves some of the most difficult sealing problems encountered in many industries while delivering outstanding in-use cost effectiveness through custom components. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-565-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.93 g/cc	1.93 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Tensile Strength at Break	12.1 MPa	1750 psi	ASTM D1414
Tensile Strength, Yield	3.10 MPa	450 psi	@50% Elongation; ASTM D1414
	7.93 MPa	1150 psi	@100% Elongation; ASTM D1414
Elongation at Break	140 %	140 %	ASTM D1414
Compression Set	25 %	25 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395
	26 %	26 %	1000 hours @ 300°F (4 more Hr. PC @ 300°F) @ 25% deflection; ASTM D395
	41 %	41 %	1000 hours @ 300°F @ 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	Black	

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