

Greene Tweed CHEMRAZ® 653 Perfluoroelastomer

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

Material Notes:

Chemraz® is a black perfluoroelastomer specifically formulated to meet the extreme demands of diffusion, LPCVD and thin dry processing applications. It exhibits superior compression set resistance and is recommended for static and dynamic high temperature applications up to 324°C (615°F). Applications: Quartz rod seals Bell jar seals High-temperature valve seals KF fitting seals Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-653-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.99 g/cc	1.99 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	12.6 MPa	1830 psi	ASTM D1414
Tensile Strength, Yield	2.48 MPa	360 psi	@50% Elongation; ASTM D1414
	7.52 MPa	1090 psi	@100% Elongation; ASTM D1414
Elongation at Break	135 %	135 %	ASTM D1414
Compression Set	14 %	14 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	324 °C	615 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	

Descriptive Properties	Value	Comments
Color	Black	

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