

Greene Tweed CHEMRAZ® 592 Perfluoroelastomer

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

Material Notes:

Chemraz® 592, a versatile perfluoroelastomer developed with a proprietary filler system, is very resistant to plasma attack. This compound's durometer allows for some hardware finish inconsistency and higher sealing loads. It's well suited for critical seals in static and dynamic dry applications where reliability and purity are equally essential. Chemraz 592 is recommended for applications with service temperatures up to 240°C (464°F). Applications: Slit valves, Lid seals, Endpoint windows, Valve seals, Window seals, Isolator valve seals, Gas inlet seals, Bell jar seals, KF fitting seals. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-592-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.07 g/cc	2.07 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	ASTM D1414
Tensile Strength, Yield	4.83 MPa	700 psi	@50% Elongation; ASTM D1414
	12.2 MPa	1770 psi	@100% Elongation; ASTM D1414
Elongation at Break	120 %	120 %	ASTM D1414
Compression Set	36 %	36 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	240 °C	464 °F	
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	

Descriptive Properties	Value	Comments
Color	White	

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