

Greene Tweed CHEMRAZ[®] 661 Perfluoroelastomer

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

Material Notes:

Chemraz[®] 661 perfluoroelastomer is specifically developed by Greene Tweed to meet the unique demands of aggressive plasma systems. This product's unique formulation provides enhanced plasma resistance and reduced contamination resulting in less downtime and lower cost of ownership. Chemraz 661 is recommended for both static and dynamic dry wafer processing applications such as etch and CVD. Chemraz 661 remains stable at service temperatures up to 240[°]C (464[°]F). Applications: Window seals Bell jar seals Valve seals KF fitting seals Isolator valve seals Lid seals Gas inlet seals Slit valve seals Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-661-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.11 g/cc	2.11 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	18.1 MPa	2620 psi	ASTM D1414
Tensile Strength, Yield	2.76 MPa	400 psi	@50% Elongation; ASTM D1414
	8.27 MPa	1200 psi	@100% Elongation; ASTM D1414
Elongation at Break	140 %	140 %	ASTM D1414
Compression Set	17 %	17 %	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	-20.0 [°] C	-4.00 [°] F	

Descriptive Properties	Value	Comments
Color	White	

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