

## Greene Tweed CHEMRAZ® 640 Perfluoroelastomer

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

### Material Notes:

Chemraz® 640 perfluoroelastomer is specifically developed by Greene Tweed to meet the rigorous demands of aggressive plasma systems. This product's unique formulation provides enhanced plasma resistance in oxygen and fluorine plasma processes resulting in minimal contamination, less downtime and higher wafer processing yields. Chemraz 640 is recommended for both static and dynamics, wet and dry wafer processing applications such as etch, remote plasma cleans, and deposition (CVD, HDPCVD, etc.) Chemraz 640 remains stable at service temperatures up to 554°F (290°C). Applications: Endpoint windows Valve seals Isolator valve seals Lid seals Gas inlet/outlet seals Slit valve seals Chamber seals Gasket seals Dispensing seals Regulator seals Filler seals Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-640-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-640-Perfluoroelastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.08 g/cc	2.08 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	11.96 MPa	1735 psi	ASTM D1414
Tensile Strength, Yield	2.41 MPa	350 psi	@50% Elongation; ASTM D1414
	7.688 MPa	1115 psi	@100% Elongation; ASTM D1414
Elongation at Break	165 %	165 %	ASTM D1414
Compression Set	25 %	25 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	290 °C	554 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

Descriptive Properties	Value	Comments
Color	Brown	

## Contact Songhan Plastic Technology Co.,Ltd.

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