

## Greene Tweed CHEMRAZ<sup>®</sup> 513 Perfluoroelastomer

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

### Material Notes:

Chemraz<sup>®</sup> 513 is recommended for a wide variety of semiconductor equipment dry processing applications where seal reliability with minimal contamination is required. This material offers excellent performance history in static plasma, photolithography and diffusion processes where temperature do not exceed 210<sup>°</sup>C (410<sup>°</sup>F) and high-sealing loads are not used. The hardness of this material allows for some hardware finish inconsistency. Applications: Door seals, Slit valves, Window seals, Isolator valve seals, Lid seals, Gas inlet seals, KF fitting seals. Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-513-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-513-Perfluoroelastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.22 g/cc	2.22 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	11.0 MPa	1600 psi	ASTM D1414
Tensile Strength, Yield	3.72 MPa	540 psi	@ 50% Elongation; ASTM D1414
	7.24 MPa	1050 psi	@100% Elongation; ASTM D1414
Elongation at Break	165 %	165 %	ASTM D1414
Compression Set	25 %	25 %	70 hours @ 400 <sup>°</sup> F (204 <sup>°</sup> C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	210 <sup>°</sup> C	410 <sup>°</sup> F	
Minimum Service Temperature, Air	-30.0 <sup>°</sup> C	-22.0 <sup>°</sup> F	

Descriptive Properties	Value	Comments
Color	White	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China