

## Greene Tweed CHEMRAZ<sup>®</sup> 543 Perfluoroelastomer

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

### Material Notes:

Chemraz<sup>®</sup> 543 is recommended for a wide variety of semiconductor equipment dry processing applications where seal reliability with minimal contamination is required. It offers excellent performance in etching, metallization and diffusion processes where temperatures do not exceed 210<sup>°</sup>C (410<sup>°</sup>F). Additionally, 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-543-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-543-Perfluoroelastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.21 g/cc	2.21 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D1414
Tensile Strength, Yield	3.93 MPa	570 psi	@50% Elongation; ASTM D1414
	7.274 MPa	1055 psi	@100% Elongation; ASTM D1414
Elongation at Break	175 %	175 %	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.

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