

## Greene Tweed CHEMRAZ<sup>®</sup> 655 Perfluoroelastomer

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

### Material Notes:

Chemraz<sup>®</sup> 655 is Greene Tweed<sup>®</sup>'s high-temperature off-white perfluoroelastomer. Specifically developed for wafer processes with operating temperatures up to 315<sup>°</sup>C (600<sup>°</sup>F), Chemraz 655 provides excellent chemical resistance with minimal particle generation. Available in a wide range of geometries and cross sections, this material offers the diversity required for a variety of dynamic or static dry processing applications. Applications: Door seals Slit valves Window seals Isolator valve seals Lid seals Gas inlet seals KF fitting seals Chamber seals Valve seals Endpoint windows Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-CHEMRAZ-655-Perfluoroelastomer.php](http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-655-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	82	82	ASTM D2240
Tensile Strength at Break	12.9 MPa	1870 psi	ASTM D1414
Tensile Strength, Yield	4.14 MPa	600 psi	@50% Elongation; ASTM D1414
	7.17 MPa	1040 psi	@100% Elongation; ASTM D1414
Elongation at Break	190 %	190 %	ASTM D1414
Compression Set	15 %	15 %	70 hours @ 400 <sup>°</sup> F (204 <sup>°</sup> C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	316 <sup>°</sup> C	600 <sup>°</sup> F	
Minimum Service Temperature, Air	-20.0 <sup>°</sup> C	-4.00 <sup>°</sup> F	

Descriptive Properties	Value	Comments
Color	Off-White	

## Contact Songhan Plastic Technology Co.,Ltd.

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