

Greene Tweed CHEMRAZ® 656 Perfluoroelastomer

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

Material Notes:

Chemraz® 656 is a low durometer perfluoroelastomer primarily designed for Bonded Slit Valve gates and special engineered applications such as low sealing forces/tolerance stickups where softer materials aid in the total seal solution. Developed from and advanced polymer utilizing fluoropolymer nano-composite technology particles, Chemraz 656 has very low metallic ion levels and offers resistance to today's advanced process chemistries. Chemraz 656 is recommended for use in CVD, Etch and diffusion equipment applications. Applications: Bonded slit valve gates Chamber seals Window seals Gas inlet seals Lid seals Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-656-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.05 g/cc	2.05 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength at Break	10.37 MPa	1504 psi	ASTM D1414
Tensile Strength, Yield	1.44 MPa	209 psi	@50% Elongation; ASTM D1414
	2.65 MPa	384 psi	@100% Elongation; ASTM D1414
Elongation at Break	238 %	238 %	ASTM D1414
Compression Set	24 %	24 %	70 hours @ 400°F (204°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

Descriptive Properties	Value	Comments
Color	Translucent	

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