

Greene Tweed CHEMRAZ® 618 Perfluoroelastomer

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

Material Notes:

Chemraz® , a proprietary Greene, Tweed compound, has the broadest chemical resistance of any elastomeric material. Chemraz combines the resilience and sealing force of an elastomer with chemical resistance approaching that of PTFE. Chemraz designs last longer and seal better in harsh environments at a wider range of temperatures than any other elastomer on the market. Chemraz solves some of the most difficult sealing problems encountered in many industries while delivering outstanding in-use cost effectiveness through custom components. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-CHEMRAZ-618-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.99 g/cc	1.99 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	After 70hrs @347°F in AMS 3021
	75	75	ASTM D2240
Tensile Strength at Break	13.27 MPa	1925 psi	ASTM D1414
	13.80 MPa	2002 psi	After 70hrs @347°F in AMS 3021
Tensile Strength, Yield	2.55 MPa	370 psi	@50% Elongation; ASTM D1414
	8.791 MPa	1275 psi	@100% Elongation; ASTM D1414
Elongation at Break	126 %	126 %	After 70hrs @347°F in AMS 3021
	130 %	130 %	ASTM D1414
Compression Set	16 %	16 %	70 hours @ 446°F; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	324 °C	615 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	
Shrinkage	-0.400 %	-0.400 %	in AMS 3021
	@Temperature 175 °C, Time 252000 sec	@Temperature 347 °F, Time 70.0 hour	

Descriptive Properties	Value	Comments
Color	Black	

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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