

Greene Tweed FPD Blue, 707 Fluoroelastomer

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

Material Notes:

Specifically developed for flat panel display CVD and dry plasma etch equipment where seal reliability and minimal contamination are essential, FPD Blue, 707 fluoroelastomer provides excellent chemical compatibility and withstands a variety of aggressive chemicals. Available in an infinite range of geometries and cross sections, this material offers the diversity required for a variety of dynamic or static dry processing applications. FPD Blue 707 remains stable at service temperatures up to 220°C (428°F) and is ideally suited for large lid seals and bonded slit valve door seals. Applications: Endpoint Windows Valve seals KF fitting seals Window seals Lid seals Gas inlet seals Slit valve seals Chamber seals Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-FPD-Blue-707-Fluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.90 g/cc	1.90 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Tensile Strength at Break	24.70 MPa	3582 psi	ASTM D1414
Tensile Strength, Yield	2.34 MPa	339 psi	@50% Elongation; ASTM D1414
	5.32 MPa	771 psi	@100% Elongation; ASTM D1414
Elongation at Break	245 %	245 %	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	220 °C	428 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

Descriptive Properties	Value	Comments
Color	Blue	

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