

Greene Tweed FLUORAZ® 790 Fluoroelastomer, FEPM

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

Material Notes:

Greene, Tweed's Fluoraz® functions effortlessly in a variety of challenging process environments. Fluoraz performs well in aggressive chemicals where ultrapure materials are not required. Known for its capabilities in high-temperature environments and its chemical resistance, Greene, Tweed's Fluoraz has proven field performance in both dynamic and static applications. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-FLUORAZ-790-Fluoroelastomer-FEPM.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	After 70hrs @347°F in Stauffer 7700
	95	95	ASTM D2240
Tensile Strength at Break	17.62 MPa	2555 psi	After 70hrs @347°F in Stauffer 7700
	24.1 MPa	3500 psi	ASTM D1414
Tensile Strength, Yield	10.7 MPa	1550 psi	@50% Elongation; ASTM D1414
Elongation at Break	125 %	125 %	ASTM D1414
	160 %	160 %	After 70hrs @347°F in Stauffer 7700
Compression Set	27 %	27 %	166 hours @ 347°F @ 25% deflection; ASTM D395
	16 %	16 %	ASTM D395
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-6.67 °C	20.0 °F	
Shrinkage	-21.0 %	-21.0 %	in Stauffer 7700
	@Temperature 175 °C, Time 252000 sec	@Temperature 347 °F, Time 70.0 hour	

Descriptive Properties	Value	Comments
Color	Black	

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