

Greene Tweed FLUORAZ[®] 797 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-797-Fluoroelastomer-FEPM.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	After 70hrs @347 [°] F in Stauffer 7700
	80	80	ASTM D2240
Hardness, Shore M	83	83	ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	After 70hrs @347 [°] F in Stauffer 7700
	19.3 MPa	2800 psi	ASTM D1414
Tensile Strength, Yield	3.86 MPa	560 psi	@50% Elongation; ASTM D1414
	9.136 MPa	1325 psi	@100% Elongation; ASTM D1414
Elongation at Break	225 %	225 %	ASTM D1414
	258.75 %	258.75 %	After 70hrs @347 [°] F in Stauffer 7700
Coefficient of Friction	0.50	0.50	ASTM D1894
Coefficient of Friction, Static	0.80	0.80	ASTM D1894
Tear Strength Test	315	315	lb/in; ASTM D624 Die B
Compression Set	27 %	27 %	22 hours @ 392 [°] F @ 25% deflection; ASTM D395
	40 %	40 %	22 hours @ 392 [°] F @ 25% deflection; ASTM D395
	19 % @Temperature 23.0 [°] C	19 % @Temperature 73.4 [°] F	ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 Â°C	450 Â°F	
Minimum Service Temperature, Air	-5.00 Â°C	23.0 Â°F	
Shrinkage	25.0 % @Temperature 175 Â°C, Time 252000 sec	25.0 % @Temperature 347 Â°F, Time 70.0 hour	in Stauffer 7700

Descriptive Properties	Value	Comments
Color	Black	

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