

Greene Tweed Xyfluor[®] 870 Fluorinated Elastomer Compound

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

Material Notes:

Xyfluor[®] 870, a highly fluorinated elastomer compound, provides excellent chemical compatibility over a wide range of temperatures from -76[°]F to 450[°]F (-60[°]C to 232[°]C). Recommended for applications demanding a combination of low-temperature properties and chemical resistance, Xyfluor 870 reduces overall cost, as compared to standard fluoroelastomers, PTFE, and graphite, by extending equipment service life. Xyfluor 870 parts can be made through high-volume injection-molding processing. Additionally, prototype parts are available for product testing. Applications: Xyfluor is ideal for use in demanding high-volume applications such as mechanical seals and gaskets in a range of metering pumps, valves and other high-performance equipment. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-Xyfluor-870-Fluorinated-Elastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength at Break	7.58 MPa	1100 psi	ASTM D1414
Tensile Strength, Yield	3.79 MPa	550 psi	@ 100% Elongation; ASTM D1414
Elongation at Break	160 %	160 %	ASTM D1414
Compression Set	20 %	20 %	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	-60.0 [°] C	-76.0 [°] F	

Descriptive Properties	Value	Comments
Color	Black	

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