

Greene Tweed Fluoroelastomer 742 FKM

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

Material Notes:

Fluoroelastomer 742 performs well in aggressive chemicals and where ultrapure materials are not required. Recommended for conventional wet and dry system applications, Fluoroelastomer 742 has a good field performance history in both dynamic and static applications. The mid-range durometer of this material allows the seal to conform to a wide range of hardware features. Applications: Bonded slit valve doors Chamber seals Door seals Window seals Lid seals Gas inlet seals KF fitting seals Valve seals Gaskets Fitting and union seals Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-Fluoroelastomer-742-FKM.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.82 g/cc	1.82 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Tensile Strength at Break	14.1 MPa	2050 psi	ASTM D1414
Tensile Strength, Yield	4.14 MPa	600 psi	@50% Elongation; ASTM D1414
	7.074 MPa	1026 psi	@100% Elongation; ASTM D1414
Elongation at Break	182 %	182 %	ASTM D1414
Compression Set	20 %	20 %	70 hours @ 400Å°F (204Å°C) @ 25% deflection; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 Å°C	392 Å°F	
Minimum Service Temperature, Air	-30.0 Å°C	-22.0 Å°F	

Descriptive Properties	Value	Comments
Color	Black	

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