

Seals Eastern 5722 Fluorocarbon-Elastomer

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

Material Notes:

Formulated Viton®. General service. Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-5722-Fluorocarbon-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.84 g/cc	1.84 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 50	>= 50	ASTM D2240, Type A
	60	60	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 8.96 MPa	>= 1300 psi	ASTM D412 Method A
	12.59 MPa	1826 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 0.986 MPa	>= 143 psi	Stress at Elongation M50; ASTM D412 Method A
	1.14 MPa	165 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 1.45 MPa	>= 211 psi	Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	1.59 MPa	231 psi	AVG Stress at Elongation M100; ASTM D412 Method A
	>= 174 %	>= 174 %	ASTM D412 Method A
Tear Strength Test	433 %	433 %	AVG; ASTM D412 Method A
	141	141	(psi); ASTM D624, Die B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-20.0 Â°C	-4.00 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	13	

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