

Seals Eastern 5724 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-5724-Fluorocarbon-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.94 g/cc	1.94 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 80	>= 80	ASTM D2240, Type A
	90	90	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 10.78 MPa	>= 1564 psi	ASTM D412 Method A
	14.16 MPa	2054 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 2.38 MPa	>= 345 psi	Stress at Elongation M50; ASTM D412 Method A
	2.54 MPa	369 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	3.62 MPa	525 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 4.02 MPa	>= 583 psi	Stress at Elongation M100; ASTM D412 Method A
	6.09 MPa	884 psi	AVG Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 174 %	>= 174 %	ASTM D412 Method A
	256 %	256 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.02139 GPa	3.103 ksi	ASTM D412 Method A
Shear Modulus	0.007129 GPa	1.034 ksi	ASTM D412 Method A
Secant Modulus	0.02013 GPa	2.919 ksi	ASTM D412 Method A
Tear Strength Test	258	258	(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)	42	

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