

Seals Eastern 5725 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-5725-Fluorocarbon-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.03 g/cc	2.03 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 85	>= 85	ASTM D2240, Type A
	95	95	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 8.170 MPa	>= 1185 psi	ASTM D412 Method A
	11.98 MPa	1737 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 4.46 MPa	>= 647 psi	Stress at Elongation M50; ASTM D412 Method A
	4.86 MPa	705 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 5.53 MPa	>= 802 psi	Stress at Elongation M100; ASTM D412 Method A
	5.83 MPa	845 psi	AVG Stress at Elongation M50; ASTM D412 Method A
Elongation at Break	8.046 MPa	1167 psi	AVG Stress at Elongation M100; ASTM D412 Method A
	>= 84 %	>= 84 %	ASTM D412 Method A
	200 %	200 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.04430 GPa	6.425 ksi	ASTM D412 Method A
Shear Modulus	0.01477 GPa	2.142 ksi	ASTM D412 Method A
Secant Modulus	0.0416 GPa	6.04 ksi	ASTM D412 Method A
Tear Strength Test	300	300	(psi); ASTM D624, Die B

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

Processing Properties	Metric	English	Comments
Shelf Life	240 Month	240 Month	ASTM D395, Test B

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	98	

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