

Seals Eastern 5717 Fluorocarbon-Elastomer

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

Material Notes:

FKM. General service. Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-5717-Fluorocarbon-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 65	>= 65	ASTM D2240, Type A
	75	75	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 9.646 MPa	>= 1399 psi	ASTM D412 Method A
	13.4 MPa	1950 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	1.32 MPa	192 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 1.58 MPa	>= 229 psi	Stress at Elongation M50; ASTM D412 Method A
	2.15 MPa	312 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 3.41 MPa	>= 494 psi	Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 158 %	>= 158 %	ASTM D412 Method A
	225 %	225 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.01074 GPa	1.557 ksi	ASTM D412 Method A
Shear Modulus	0.00358 GPa	0.519 ksi	ASTM D412 Method A
Secant Modulus	0.01009 GPa	1.463 ksi	ASTM D412 Method A
Tear Strength Test	132	132	(psi); ASTM D624, Die B

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-18.9 °C	-2.00 °F	Retraction Temperature, TR10; ASTM D1329
Glass Transition Temp, Tg	-20.0 °C	-4.00 °F	ASTM D1329

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