

Seals Eastern 7265 Fluorocarbon-Elastomer

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

Material Notes:

Seals Eastern's formulated Viton[®] elastomers can be utilized in seals, o-rings, gaskets, packings and other applications where thermal stability and chemical resistance are required. Features: Viton ETP Broad chemical resistant Viton[®] is a registered trademark of DuPont.

Information provided by Seals Eastern.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-7265-Fluorocarbon-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 84	>= 84	ASTM D2240
	88	88	Average; ASTM D2240
Tensile Strength	>= 13.1 MPa	>= 1900 psi	ASTM D412 Method A
	16.4 MPa	2380 psi	Average; ASTM D412 Method A
Tensile Stress	4.65 MPa	675 psi	Average; ASTM D412 Method A
	@Strain 25.0 %	@Strain 25.0 %	
	>= 6.21 MPa	>= 900 psi	ASTM D412 Method A
	@Strain 50.0 %	@Strain 50.0 %	
	7.412 MPa	1075 psi	Average; ASTM D412 Method A
	@Strain 50.0 %	@Strain 50.0 %	
	>= 8.96 MPa	>= 1300 psi	ASTM D412 Method A
	@Strain 100 %	@Strain 100 %	
	11.20 MPa	1625 psi	Average; ASTM D412 Method A
	@Strain 100 %	@Strain 100 %	
Elongation at Break	>= 100 %	>= 100 %	ASTM D412 Method A
	200 %	200 %	Average; ASTM D412 Method A
Modulus of Elasticity	0.02948 GPa	4.275 ksi	Calculated; ASTM D412 Method A
Shear Modulus	0.009825 GPa	1.425 ksi	Calculated; ASTM D412 Method A
Secant Modulus	0.02771 GPa	4.019 ksi	ASTM D412 Method A

Mechanical Properties	Metric	English	Comments
Compression Set	44 % @Temperature 200 Â°C, Time 252000 sec	44 % @Temperature 392 Â°F, Time 70.0 hour	ASTM D395, Test B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	93.3 Â°C	200 Â°F	
Glass Transition Temp, Tg	-21.1 Â°C	-6.00 Â°F	ASTM D1329

Processing Properties	Metric	English	Comments
Shelf Life	240 Month	240 Month	

Descriptive Properties	Value	Comments
Strain Energy/ Unit Volume at 20% Elongation (psi)	76	ASTM D412 Method A

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