

Seals Eastern 7042U 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: Type 1 (Viton A) Excellent mechanical properties Good extrusion resistance Chemical and heat 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-7042U-Fluorocarbon-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 84	>= 84	ASTM D2240
	88	88	Average; ASTM D2240
Tensile Strength	>= 10.69 MPa	>= 1551 psi	ASTM D412 Method A
	14.84 MPa	2153 psi	Average; ASTM D412 Method A
Tensile Stress	>= 1.37 MPa	>= 199 psi	ASTM D412 Method A
	@Strain 100 %	@Strain 100 %	
	>= 3.61 MPa	>= 524 psi	ASTM D412 Method A
	@Strain 50.0 %	@Strain 50.0 %	
	4.16 MPa	603 psi	Average; ASTM D412 Method A
	@Strain 25.0 %	@Strain 25.0 %	
	6.14 MPa	891 psi	Average; ASTM D412 Method A
	@Strain 50.0 %	@Strain 50.0 %	
	9.556 MPa	1386 psi	Average; ASTM D412 Method A
	@Strain 100 %	@Strain 100 %	
Elongation at Break	>= 71 %	>= 71 %	ASTM D412 Method A
	151 %	151 %	Average; ASTM D412 Method A
Tear Strength Test	304	304	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)		ASTM D412 Method A

Descriptive Properties	Value	Comments
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