

Seals Eastern 5862 Fluoro-silicone

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

Material Notes:

Fluoro-silicone Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-5862-Fluoro-silicone.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 53	>= 53	ASTM D2240, Type A
	61	61	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 11.0 MPa	>= 1590 psi	ASTM D412 Method A
	11.2 MPa	1630 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	0.965 MPa	140 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 1.38 MPa	>= 200 psi	Stress at Elongation M50; ASTM D412 Method A
	1.49 MPa	216 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 2.45 MPa	>= 356 psi	Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 320 %	>= 320 %	ASTM D412 Method A
	325 %	325 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.00528 GPa	0.766 ksi	ASTM D412 Method A
Shear Modulus	0.00193 GPa	0.280 ksi	ASTM D412 Method A
Secant Modulus	0.00512 GPa	0.743 ksi	ASTM D412 Method A

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-51.1 Â°C	-60.0 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	14	

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