

Seals Eastern 5803 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-5803-Fluoro-silicone.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 70	>= 70	ASTM D2240, Type A
	75	75	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 6.936 MPa	>= 1006 psi	ASTM D412 Method A
	7.143 MPa	1036 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	1.51 MPa	219 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 2.36 MPa	>= 343 psi	Stress at Elongation M50; ASTM D412 Method A
	2.45 MPa	356 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 4.48 MPa	>= 650 psi	Stress at Elongation M100; ASTM D412 Method A
	4.57 MPa	663 psi	AVG Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 172 %	>= 172 %	ASTM D412 Method A
	182 %	182 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.0112 GPa	1.62 ksi	ASTM D412 Method A
Shear Modulus	0.00372 GPa	0.540 ksi	ASTM D412 Method A
Secant Modulus	0.01016 GPa	1.473 ksi	ASTM D412 Method A
Compression Set	19 % @Temperature 150 Â°C, Time 79200 sec	19 % @Temperature 302 Â°F, Time 22.0 hour	ASTM D395, Test B

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	29	

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