

Seals Eastern 5514 Polyacrylate Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

General purpose Natural RubberInformation provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-5514-Polyacrylate-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 70	>= 70	ASTM D2240, Type A
	85	85	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 11.29 MPa	>= 1638 psi	ASTM D412 Method A
	11.98 MPa	1738 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	2.15 MPa	312 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 2.53 MPa	>= 367 psi	Stress at Elongation M50; ASTM D412 Method A
	4.42 MPa	641 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	5.30 MPa	769 psi	AVG Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 280 %	>= 280 %	ASTM D412 Method A
	293 %	293 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.01152 GPa	1.671 ksi	ASTM D412 Method A
Shear Modulus	0.00384 GPa	0.557 ksi	ASTM D412 Method A
Secant Modulus	0.01083 GPa	1.571 ksi	ASTM D412 Method A

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	30	

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