

Seals Eastern 5400 Nitrile Rubber

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

General purpose Nitrile Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-5400-Nitrile-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 40	>= 40	ASTM D2240, Type A
	50	50	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 8.811 MPa	>= 1278 psi	ASTM D412 Method A
	13.26 MPa	1923 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 0.448 MPa	>= 65.0 psi	Stress at Elongation M50; ASTM D412 Method A
	0.531 MPa	77.0 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 0.579 MPa	>= 84.0 psi	Stress at Elongation M100; ASTM D412 Method A
	0.614 MPa	89.0 psi	AVG Stress at Elongation M50; ASTM D412 Method A
Elongation at Break	>= 653 %	>= 653 %	ASTM D412 Method A
	900 %	900 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.00357 GPa	0.518 ksi	ASTM D412 Method A
Shear Modulus	0.00119 GPa	0.173 ksi	ASTM D412 Method A
Secant Modulus	0.00336 GPa	0.487 ksi	ASTM D412 Method A
Tear Strength Test	191	191	(psi); ASTM D624, Die B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-29.4 Â°C	-21.0 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	8	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China