

## Seals Eastern 5404 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-5404-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Seals-Eastern-5404-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 80	>= 80	ASTM D2240, Type A
	90	90	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 12.59 MPa	>= 1826 psi	ASTM D412 Method A
	19.09 MPa	2769 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 2.68 MPa	>= 389 psi	Stress at Elongation M50; ASTM D412 Method A
	2.70 MPa	391 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 4.57 MPa	>= 663 psi	Stress at Elongation M100; ASTM D412 Method A
	4.59 MPa	666 psi	AVG Stress at Elongation M50; ASTM D412 Method A
Elongation at Break	10.34 MPa	1499 psi	AVG Stress at Elongation M100; ASTM D412 Method A
	>= 129 %	>= 129 %	ASTM D412 Method A
	182 %	182 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.02031 GPa	2.946 ksi	ASTM D412 Method A
Shear Modulus	0.00677 GPa	0.982 ksi	ASTM D412 Method A
Secant Modulus	0.01909 GPa	2.769 ksi	ASTM D412 Method A

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

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	42	

**Contact Songhan Plastic Technology Co.,Ltd.**

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