

## Seals Eastern 5353 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-5353-Nitrile-Rubber.php](http://www.lookpolymers.com/polymer_Seals-Eastern-5353-Nitrile-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 61	>= 61	ASTM D2240, Type A
	70	70	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 12.63 MPa	>= 1832 psi	ASTM D412 Method A
	19.69 MPa	2856 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 1.10 MPa	>= 160 psi	Stress at Elongation M50; ASTM D412 Method A
	1.23 MPa	179 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	1.68 MPa	244 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 1.71 MPa	>= 248 psi	Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 321 %	>= 321 %	ASTM D412 Method A
	424 %	424 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.000855 GPa	0.124 ksi	ASTM D412 Method A
Shear Modulus	0.00276 GPa	0.401 ksi	ASTM D412 Method A
Secant Modulus	0.007798 GPa	1.131 ksi	ASTM D412 Method A

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-25.0 Â°C	-13.0 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	16	

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