

Seals Eastern 5053 Ethylene-Propylene Rubber

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

Material Notes:

General service EPDM. Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-5053-Ethylene-Propylene-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 63	>= 63	ASTM D2240, Type A
	73	73	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 8.522 MPa	>= 1236 psi	ASTM D412 Method A
	14.73 MPa	2136 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	1.22 MPa	177 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 1.36 MPa	>= 197 psi	Stress at Elongation M50; ASTM D412 Method A
	1.73 MPa	251 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 2.25 MPa	>= 326 psi	Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	3.21 MPa	466 psi	AVG Stress at Elongation M100; ASTM D412 Method A
	>= 191 %	>= 191 %	ASTM D412 Method A
Modulus of Elasticity	275 %	275 %	AVG; ASTM D412 Method A
	0.01007 GPa	1.461 ksi	ASTM D412 Method A
Shear Modulus	0.00336 GPa	0.487 ksi	ASTM D412 Method A
Secant Modulus	0.009473 GPa	1.374 ksi	ASTM D412 Method A
Tear Strength Test	116	116	(psi); ASTM D624, Die B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-65.0 Â°C	-85.0 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	21	

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