

Seals Eastern 7267 Ethylene-Propylene Rubber

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

Material Notes:

EPDM for high temperature steam service. Also available as a Y267-Type (7267L). Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-7267-Ethylene-Propylene-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 70	>= 70	ASTM D2240, Type A
	77	77	AVG; ASTM D2240, Type A
	77	77	After Dry Heat Aging; ASTM D865
Tensile Strength at Break	@Temperature 125 Å°C, Time 252000 sec	@Temperature 257 Å°F, Time 70.0 hour	
	>= 11.0 MPa	>= 1600 psi	ASTM D412 Method A
	16.13 MPa	2339 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	@Temperature 125 Å°C, Time 252000 sec	@Temperature 257 Å°F, Time 70.0 hour	
	>= 1.31 MPa	>= 190 psi	Stress at Elongation M50; ASTM D412 Method A
	>= 1.52 MPa	>= 220 psi	Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	2.20 MPa	319 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	3.45 MPa	500 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	8.96 MPa	1300 psi	AVG Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 100 %	>= 100 %	ASTM D412 Method A
	153 %	153 %	AVG; ASTM D412 Method A
	186.7 %	186.7 %	ASTM D865
	@Temperature 125 Å°C, Time 252000 sec	@Temperature 257 Å°F, Time 70.0 hour	

Modulus of Elasticity Mechanical Properties	0.01649 GPa Metric	2.392 ksi English	ASTM D412 Method A Comments
Shear Modulus	0.00550 GPa	0.797 ksi	ASTM D412 Method A
Secant Modulus	0.01551 GPa	2.249 ksi	ASTM D412 Method A
Compression Set	12 % @Temperature 125 Â°C, Time 252000 sec	12 % @Temperature 257 Â°F, Time 70.0 hour	ASTM D395, Test B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-51.1 Â°C	-60.0 Â°F	ASTM D1329

Processing Properties	Metric	English	Comments
Shelf Life	120 Month	120 Month	ASTM D395, Test B

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

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