

Seals Eastern 7075 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-7075-Ethylene-Propylene-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 62	>= 62	ASTM D2240, Type A
	73	73	AVG; ASTM D2240, Type A
Tensile Strength at Break	>= 10.31 MPa	>= 1496 psi	ASTM D412 Method A
	20.3 MPa	2940 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	>= 1.31 MPa	>= 190 psi	Stress at Elongation M50; ASTM D412 Method A
	1.45 MPa	210 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	>= 2.00 MPa	>= 290 psi	Stress at Elongation M100; ASTM D412 Method A
	2.14 MPa	310 psi	AVG Stress at Elongation M50; ASTM D412 Method A
Elongation at Break	>= 205 %	>= 205 %	ASTM D412 Method A
	410 %	410 %	AVG; ASTM D412 Method A
Modulus of Elasticity	0.00993 GPa	1.44 ksi	ASTM D412 Method A
Shear Modulus	0.00331 GPa	0.480 ksi	ASTM D412 Method A
Secant Modulus	0.009329 GPa	1.353 ksi	ASTM D412 Method A
Tear Strength Test	134	134	(psi); ASTM D624, Die B
Compression Set	13 %	13 %	ASTM D395, Test B
	@Temperature 100 Â°C, Time 79200 sec	@Temperature 212 Â°F, Time 22.0 hour	

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

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	26	

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