

Seals Eastern 7065 Neoprene / Chloroprene

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

Material Notes:

General purpose neoprene Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-7065-Neoprene-Chloroprene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 77	>= 77	ASTM D2240, Type A
	82	82	AVG; ASTM D2240, Type A
	87	87	After Dry Heat Aging; ASTM D865
	@Temperature 100 Â°C, Time 252000 sec	@Temperature 212 Â°F, Time 70.0 hour	
Tensile Strength at Break	>= 13.05 MPa	>= 1893 psi	ASTM D412 Method A
	16.18 MPa	2347 psi	AVG; ASTM D412 Method A
	16.18 MPa	2347 psi	After Dry Heat Aging; ASTM D865
	@Temperature 100 Â°C, Time 252000 sec	@Temperature 212 Â°F, Time 70.0 hour	
Tensile Strength, Yield	>= 2.36 MPa	>= 343 psi	Stress at Elongation M50; ASTM D412 Method A
	2.40 MPa	348 psi	AVG Stress at Elongation M25; ASTM D412 Method A
	3.96 MPa	574 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	>= 5.34 MPa	>= 774 psi	Stress at Elongation M100; ASTM D412 Method A
	8.384 MPa	1216 psi	AVG Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 126 %	>= 126 %	ASTM D412 Method A
	182 %	182 %	AVG; ASTM D412 Method A
	182 %	182 %	After Dry Heat Aging; ASTM D865
	@Temperature 100 Â°C, Time 252000 sec	@Temperature 212 Â°F, Time 70.0 hour	

Modulus of Elasticity Mechanical Properties	0.01673 GPa Metric	2.426 ksi English	ASTM D412 Method A Comments
Shear Modulus	0.00558 GPa	0.809 ksi	ASTM D412 Method A
Secant Modulus	0.0157 GPa	2.28 ksi	ASTM D412 Method A
Compression Set	29 % @Temperature 100 Â°C, Time 79200 sec	29 % @Temperature 212 Â°F, Time 22.0 hour	ASTM D395, Test B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-40.0 Â°C	-40.0 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	39	

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