

Seals Eastern 7284 Butyl and Halobutyl Rubber

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

Material Notes:

Chlorobutyl; High damping; Non-conductive Information provided by Seals Eastern, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-7284-Butyl-and-Halobutyl-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D297, 15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 65	>= 65	ASTM D2240, Type A
	75	75	AVG; ASTM D2240, Type A
	82	82	After Dry Heat Aging; ASTM D865
Tensile Strength at Break	@Temperature 100 Â°C, Time 252000 sec	@Temperature 212 Â°F, Time 70.0 hour	
	>= 5.87 MPa	>= 852 psi	ASTM D412 Method A
	8.62 MPa	1250 psi	AVG; ASTM D412 Method A
Tensile Strength, Yield	@Temperature 100 Â°C, Time 605000 sec	@Temperature 212 Â°F, Time 168 hour	
	>= 0.958 MPa	>= 139 psi	Stress at Elongation M50; ASTM D412 Method A
	1.10 MPa	160 psi	AVG Stress at Elongation M25; ASTM D412 Method A
Elongation at Break	>= 1.28 MPa	>= 186 psi	Stress at Elongation M100; ASTM D412 Method A
	1.80 MPa	261 psi	AVG Stress at Elongation M50; ASTM D412 Method A
	2.70 MPa	391 psi	AVG Stress at Elongation M100; ASTM D412 Method A
Elongation at Break	>= 289 %	>= 289 %	ASTM D412 Method A
	490 %	490 %	AVG; ASTM D412 Method A
	166.6 %	166.6 %	After Dry Heat Aging; ASTM D865
	@Temperature 100 Â°C, Time 605000 sec	@Temperature 212 Â°F, Time 168 hour	

Modulus of Elasticity Mechanical Properties	0.00889 GPa Metric	1.29 ksi English	ASTM D412 Method A Comments
Shear Modulus	0.00296 GPa	0.430 ksi	ASTM D412 Method A
Secant Modulus	0.008363 GPa	1.213 ksi	ASTM D412 Method A
Tear Strength Test	186	186	(psi); ASTM D624, Die B
Compression Set	63 % @Temperature 100 Â°C, Time 252000 sec	63 % @Temperature 212 Â°F, Time 70.0 hour	ASTM D395, Test B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-72.8 Â°C	-99.0 Â°F	ASTM D1329

Descriptive Properties	Value	Comments
Strain Energy / Unit Volume at 20% Elongation (psi)	27	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China