



# HSN-100

## Chlorinated Polyolefin Elastomer



### Uses and Features

Excellent performance in extremely cold environments

Ideal for rugged applications requiring tough, flexible, highly abrasion-resistant coverings

Excels as insulation, strain relief, and protection for military and aerospace cables and wire harnesses

Well suited for severe outdoor environmental conditions

Resistant to most common chemicals and oils including aviation and vehicle fuels, lubricating oils, acids, solvents and hydraulic fluids

Easily marked

### Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 130°C

Operating Temperature Range: -70°C to 120°C

Longitudinal Change: +1 / -10%

Shelf Life: 1 Year

Recommend Storage: <35°C

Standard Colors: Black

Standard Packaging: Spooled

### Certifications

SAE AS23053/1 Class 1 and Class 2

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## Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity (max)	g/cc	1.3
	Tensile Strength (min)	psi	1500
	Min. Ultimate Elongation	%	250
Electrical	Dielectric Strength	v/mil	800
	Volume Resistivity	ohm-cm	$1 \times 10^{11}$

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
1/8	.125	3.18	.072	1.83	.030	0.76	200'	600'
3/16	.187	4.75	.106	2.69	.035	0.89	200'	600'
1/4	.250	6.35	.125	3.18	.035	0.89	200'	600'
3/8	.375	9.53	.187	4.75	.040	1.02	100'	300'
1/2	.500	12.70	.250	6.35	.048	1.22	100'	300'
5/8	.625	15.88	.312	7.92	.052	1.32	100'	300'
3/4	.750	19.05	.375	9.53	.057	1.45	100'	300'
7/8	.875	22.23	.437	11.10	.065	1.65	100'	300'
1	1.000	25.40	.500	12.70	.070	1.78	100'	300'
1 1/4	1.250	31.75	.625	15.54	.087	2.21	50'	100'
1 1/2	1.500	38.10	.750	19.05	.095	2.41	50'	100'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.