



SPECIALTY MATERIALS **HEAT SHRINKABLE TUBING**

HSN-100 Chlorinated Polyolefin Elastomer

FEATURES

- 2:1 shrink ratio
- Outstanding abrasion and cut-through resistance
- Operates in a broad temperature range
- Flexible at low temperatures
- Resistant to most fluids, oils and solvents
- Easily marked
- Meets Military specifications

USES

- Rugged applications requiring tough, flexible, highly abrasion-resistant coverings
- Applications in severe outdoor environmental conditions
- Insulation, strain relief and protection of military and aerospace cable harnesses and wire bundles
- Applications requiring low and high temperature performance
- Applications requiring resistance to aviation and vehicle fuels, lubricating oils, acids, solvents and hydraulic fluids
- Marine applications

SPECIFICATIONS

- SAE-AMS-DTL-23053/1 Class 1 and Class 2
- AMS 3623



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HSN-100 Chlorinated Polyolefin Elastomer

TECHNICAL DATA

- Shrink Ratio: 2:1
- Minimum Recommended Shrink Temperature: 150°C (302°F)
- Operating Temperature Range: -70°C to 121°C
- Longitudinal Shrinkage: +1/-10%
- Physical / Electrical / Chemical Properties:
 - Specific Gravity: 1.3 max.
 - Tensile Strength: 1500 psi min.
 - Ultimate Elongation: 250% min.
 - Low Temperature Flexibility: 4 hrs. @ -75°C No cracking
 - Flammability: Self-extinguishing
 - Volume Resistivity: 10^{14} ohm-cm min.
 - Dielectric Strength: 300 vpm min.
 - Corrosion Resistance: Non-corrosive
 - Fuel, Oil, Solvent, Acids, and Alkalis Resistance:
 - Per SAE-AMS-DTL - 23053/1, Class 1 and 2

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Size	Expanded I.D. Minimum		Recovered I.D. Maximum		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'

- Standard Color: Black