



SPECIALTY MATERIALS **HEAT SHRINKABLE TUBING**

HSN-100 NEOPRENE®

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

- AMS-DTL-23053/1 Class 1 and Class 2
- AMS 3623
- MIL-R-46846, Type 1, Class 1
- SC-X-15112





SPECIALTY MATERIALS **HEAT SHRINKABLE TUBING**

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TECHNICAL DATA

- Shrink Ratio: 2:1
- Minimum Recommended Shrink Temperature: 135°C (275°F)
- Operating Temperature Range: -70°C to 121°C
- Longitudinal Shrinkage: +1/-10%
- Physical / Electrical / Chemical Properties:
 - Specific Gravity: 1.3
 - Tensile Strength: 2100 psi
 - Ultimate Elongation: 500%
 - Low Temperature Flexibility: 4 hrs. @ -70°C No cracking
 - Flammability: Self-extinguishing
 - Volume Resistivity: 10¹² ohm-cm
 - Dielectric Strength: 800 vpm
 - Corrosion Resistance: Non corrosive
 - Fuel, Oil, Solvent, Acids, and Alkalis Resistance: Excellent

| 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