



MULTI-WALL POLYOLEFIN HEAT SHRINKABLE TUBING

HS-101-MW-2:1

FEATURES

- 2:1 shrink ratio
- Thin wall tubing with a thin, thermoplastic, adhesive liner
- Bonds to a wide variety of plastics, rubbers and metals
- Good mechanical strength and cut-through resistance
- Flexible
- Provides a permanent, waterproof environmental seal
- Flame retardant (outer jacket)
- Meets UL and Military specifications



USES

- Providing permanent, bendable, water-resistant protection in harsh outdoor environments
- Automotive, truck and marine applications - protecting cable and joint splices and electrical connections from fluids, moisture and corrosion
- Flexible repairs of damaged wire insulation
- Quick and easy one-step electrical insulation and moisture sealing

SPECIFICATIONS

- UL 224 125°C, 600 V
- SAE-AMS-DTL-23053/4 Class 2



MULTI-WALL POLYOLEFIN HEAT SHRINKABLE TUBING

HS-101-MW-2:1

TECHNICAL DATA

- Shrink Ratio: 2:1
- Minimum Recommended Shrink Temperature: 110°C (230°F)
- Operating Temperature Range: -55°C to 110°C
- Longitudinal Shrinkage: +1 / -5%
- Physical / Electrical / Chemical Properties:
 - Tensile Strength: 1500 psi min.
 - Ultimate Elongation: 200% min.
 - Secant Modulus: (2%) 25,000 psi max.
 - Heat Shock*: 4 hrs. @ 225°C No dripping, cracking or flowing
 - Cold Impact: -55°C, No cracking
 - Flammability: UL 224 AFT
 - Volume Resistivity: 10¹⁴ ohm-cm
 - Dielectric Strength: 500 vpm min.
 - Corrosion Resistance: Non-corrosive
 - Fungus Resistance: No growth
 - Water Absorption: 0.5% max.
 - Fluid Resistance: Per SAE-AMS-DTL-23053/4, class 2

SPECIFICATIONS

- UL 224 (Jacket)
- SAE-AMS-DTL-23053/4 Class 2

* Outer Jacket Only

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) Product on Spools			4-Ft Lengths
	in.	mm	in.	mm	in.	mm	in.	mm	ft. / Spool	Ttl ft. / Box	Ttl ft. / Box	
1/8	.125	3.18	.063	1.60	.027	0.68	.004	0.10	500'	1,500'	1,000'	
3/16	.187	4.75	.093	2.36	.027	0.68	.004	0.10	250'	750'	1,000'	
1/4	.250	6.35	.125	3.18	.030	0.76	.005	0.13	200'	600'	800'	
3/8	.375	9.53	.187	4.75	.031	0.79	.005	0.13	200'	600'	500'	
1/2	.500	12.70	.250	6.35	.032	0.81	.006	0.15	200'	600'	300'	
3/4	.750	19.05	.375	9.53	.037	0.94	.006	0.15	200'	600'	180'	
1	1.000	25.40	.500	12.70	.046	1.17	.008	0.20	100'	300'	96'	
1 1/2	1.500	38.10	.750	19.05	.049	1.24	.008	0.20	N/A	N/A	96'	
2	2.000	50.80	1.000	25.40	.060	1.52	.015	.038	N/A	N/A	96'	

- Standard Color: Black

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.