HS-101-MW-2:1

Multi-Wall Polyolefin Heat Shrinkable Tubing

Uses and Features

- Thin wall heat shrinkable tubing with a thin, adhesive thermoplastic liner
- Provides a permanent, flexible, waterproof seal to protect against fluids, moisture and corrosion
- Ideal for wire splicing and encapsulation of sensors and connectors and terminals in marine environments
- Bonds to a wide variety of plastics, rubbers and metals

Technical Data

- **Shrink ratio:** 2:1
- **Recommended Shrink Temperature:** 121°C
- **Operating Temperature Range:** -55°C to 110°C
- **Longitudinal Change:** +1 / -5%
- **Shelf Life:** 3 years
- **Recommend Storage:** <27° C
- **Available Colors:** Black
- **Standard Packaging:** Spooled, 4' lengths

Certifications

- UL 224 125°C, 600 V
- SAE AS23053/4 Class 2

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HEAT SHRINK

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.3
	Tensile Strength	psi	1500
	Min. Ultimate Elongation	%	200
	Secant Modulus (max)	psi	2.4×10^4
	Water Absorption (max)	%	0.5
Electrical	Volume Resistivity	ohm-cm	1×10^{14}
	Dielectric Strength (min)	v/mil	500
	Heat Shock* (4hs @ 250°C)	N/A	Pass
	Low Temp. Flexability (4hrs @ -55°C)	N/A	Pass

* Outer jacket only

Adhesive Peel Strength		
Substance	UOM	Typical Value
Polyethylene	pli	30
PVC	pli	10
Lead	pli	15
Aluminum	pli	40

	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) Product on Spools		4-Ft Lengths
Size	in.	mm	in.	mm	in.	mm	in.	mm	ft. / Coil or Spool	Total 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	.035	0.90	.006	0.15	200'	600'	180'
1	1.000	25.40	.500	12.70	.042	1.10	.008	0.20	100'	300'	96'
1 1/2	1.500	38.10	.750	19.05	.047	1.20	.008	0.20	N/A	N/A	96'
2	2.000	50.80	1.000	25.40	.053	1.35	.015	.038	N/A	N/A	96'

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.