



HS-101-MW

Multi-Wall Polyolefin Heat Shrinkable Tubing



Uses and Features

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: 2.5:1

Recommended Shrink Temperature: 135°C

Operating Temperature Range: -55°C to 110°C

Longitudinal Change: +1 / -10%

Shelf Life: 3 years

Recommend Storage: <27°C

Standard Colors: Black

Standard Packaging: 4' lengths

Certifications

UL 224, 125°C, 600 V

SAE AS23053/4 Class 1

Multi-Wall Polyolefin Heat Shrinkable Tubing



HEAT SHRINK

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cm ²	1.0
	Tensile Strength (min)	psi	1500
	Ultimate Elongation (min)	%	200
	Water Absorption (max)	%	0.5
Electrical	Volume Resistivity	ohm-cm	1x10 ¹⁵
	Dielectric Strength (min)	v/mil	500
Thermal	Heat Shock* (4hs @ 250°C)	N/A	Pass
	Low Temp. Flexibility (4hrs @ -55°C)	N/A	Pass

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

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) 4-Ft Lengths
	in.	mm	in.	mm	in.	mm	in.	mm	
1/8	.125	3.18	.023	0.58	.038	0.97	.020	0.51	200'
3/16	.187	4.75	.060	1.52	.043	1.09	.025	0.64	200'
1/4	.250	6.35	.080	2.03	.047	1.19	.027	0.69	100'
3/8	.375	9.53	.130	3.42	.050	1.27	.030	0.76	100'
1/2	.500	12.70	.196	4.95	.055	1.40	.035	0.89	100'
3/4	.750	19.05	.313	7.95	.065	1.65	.040	1.02	60'
1	1.000	25.40	.400	10.16	.075	1.91	.040	1.02	48'

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.