



HEAT SHRINK

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

Standard Colors: Black

Standard Packaging: Spooled, 4' lengths

Certifications

UL 224 125°C, 600 V

SAE AS23053/4 Class 2

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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 X 10 ⁴
	Water Absorption (max)	%	0.5
Electrical	Volume Resistivity	ohn-cm	1 x 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

Size	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
	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	.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	26.40	.060	1.52	.015	.038	N/A	N/A	96'

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