



HS-101

Polyolefin Heat Shrinkable Tubing



Uses and Features

Ideal for insulation and strain relief of wire splices, terminals and connections

Superior performance for bundling and organizing wire harnesses

Color coding for easy identification of wire, cables, terminals and components

Can be printed

Highly flexible

Highly flame retardant when supplied in colors

Free of PFAS, polybrominated biphenyls and polybrominated biphenyl oxides and ethers

Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 90°C–110°C

Operating Temperature Range: -55°C to 135°C

Longitudinal Change: +/- 5%

Shelf Life: 5 years

Recommend Storage: < 27°C

Standard Colors: Clear, Black, White, Red, Yellow, green, Blue

Standard Packaging: Spooled

Certifications

UL 224 VW-1, 125° C, 600 V

CSA, 125° C, 600 V

SAE AS23053/5 Class 1 & 3 (Colors)

SAE AS23053/5 Class 2 (Clear)

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HEAT SHRINK

Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity (max)	g/cc	1.35
	Tensile Strength	psi	1500 (min)
	Ultimate Elongation	%	200
	Water Absorption	%	0.1 (max)
Electrical	Volume Resistivity	ohn-cm	10×10^{14}
	Dielectric Strength	v/mil	900
Thermal	Flamability (colors only)	N/A	VW-1
	Heat Aging (Elongation after 7 days @ 175°C)	%	400
	Heat Shock (4hs @ 250°C)	N/A	Pass

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools		
	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box	4 Foot Lengths
3/64	.046	1.17	.023	0.58	.016	0.41	1,000'	3,000'	1,000'
1/16	.063	1.60	.031	0.79	.017	0.43	1,000'	3,000'	1,000'
3/32	.093	2.36	.046	1.17	.020	0.51	500'	1,500'	1,000'
1/8	.125	3.18	.062	1.57	.020	0.51	500'	1,500'	1,000'
3/16	.187	4.75	.093	2.36	.020	0.51	250'	750'	1,000'
1/4	.250	6.35	.125	3.18	.025	0.64	200'	600'	800'
3/8	.375	9.53	.187	4.75	.025	0.64	200'	600'	500'
1/2	.500	12.70	.250	6.35	.025	0.64	200'	600'	400'
3/4	.750	19.05	.375	9.53	.025	0.76	200'	600'	200'
1	1.000	25.40	.500	12.70	.030	0.89	100'	300'	96'
1 1/4	1.250	31.75	.625	15.87	.035	1.02	100'	300'	96'
1 1/2	1.500	38.10	.750	19.05	.040	1.02	100'	200'	96'
2	2.000	50.80	1.000	25.40	.045	1.14	100'	200'	96'
3	3.000	76.20	1.500	38.10	.050	1.27	50'	50'	48'
4	4.000	101.60	2.000	50.80	.055	1.40	50'	50'	48'

*Pressurized Spools

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.