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
- **Available Colors:** Clear, Black, White, Red, Yellow, green. Blue
- **Standard Packaging:** Spooled

Certifications

- UL 224 VW-1, 125° C, 600 V (Colors)
- 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	ohm-cm	10×10^{14}
	Dielectric Strength	v/mil	900
Thermal	Flammability (colors only)	N/A	VW-1
	Heat Aging (Elongation after 7 days @ 175°C)	%	400
	Heat Shock (4hs @ 250°C)	N/A	Pass

	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Standard Packaging (per box) Product on Spools		
Size	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	.030	0.89	200'	600'	200'
1	1.000	25.40	.500	12.70	.035	1.02	100'	600'	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'

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.