



Heat Shrink Tubing

POLYOLEFIN HEAT SHRINK, SINGLE WALL TUBE

Heat shrink tubing is a flexible, flame retardant and halogen-free polyolefin tubing used for electrical insulation. Heat shrink is UL recognised at 600V and is free of Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyl and Polybrominated diphenyl ethers.

It has an operating temperature of 125°C and a shrink temperature of 90°C. Can be used in any enclosed area where a flame-retardant, halogen-free environment is required.

Features

- Flame retardant
- Halogen free

Technical Information

Material: Polyolefin heat shrink
Colour: Yellow/Green, Black, White, Blue, Red, Clear



Technical Data		Units	Value
Radial shrinking ratios		%	≥50
Longitudinal change		%	≥1±5
Tensile strength		MPa	≥10.4
Elongation break		%	≥200
Aging in circular-air oven		°C	158.0°C±1.0°C, 168hrs
After aging	Tensile strength	MPa	≥7.3
	Elongation at break	%	≥100
Volume resistivity		Ω.cm	≥10 ¹⁴
Dielectric strength at 1min, AC2500V		-	No breakdown
Heat shock		-	No cracking
Flammability		-	VW-1
Concentricity		%	≥70
UL File No.		-	E180908

Applications

- Electrical insulation
- Wire protection
- Other fields requiring protection in harsh environments



Insulect Australia | Customer Service

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The information in this document is believed to be correct at the time of publication. The user is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. No reliance may be placed on any such information or data without first contacting Insulect Australia to clarify individual user requirements.

Sizing

Size as Supplied	Inside Diameter				Wall After Recovery	
	Min ID as Supplied		Max ID After Recovery			
in	mm	in	mm	in	mm	in
3/64	1.2	0.047	0.6	0.024	0.36±0.08	0.016
1/16	1.6	0.063	0.8	0.031	0.40±0.08	0.017
3/32	2.4	0.094	1.0	0.039	0.42±0.08	0.020
1/8	3.2	0.126	1.5	0.059	0.46±0.08	0.020
3/16	4.8	0.189	2.25	0.088	0.50±0.08	0.020
1/4	6.4	0.252	3.0	0.118	0.56±0.08	0.025
3/8	9.5	0.374	4.50	0.177	0.60±0.08	0.025
1/2	12.7	0.500	6.50	0.256	0.65±0.08	0.031
3/4	19.1	0.752	10.0	0.393	1.10±0.08	0.035
1	25.4	1.000	12.5	0.492	0.90±0.13	0.040
1 - 1/4	31.8	1.252	15.0	0.590	0.95±0.15	0.045
1 - 1/2	38.1	1.500	20.0	1.787	1.10±0.18	0.050
2	50.8	2.000	26.0	1.023	1.20±0.20	0.055
3	>80	3.145	40.0	1.574	1.45±0.23	0.055
4	>100	3.937	50.0	1.968	1.45±0.18	0.055

The table shows the most commonly requested products in this range. Should you require something outside of these parameters, please contact your local sales representative or our customer service team.



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