

LSE



150°C Flame retardant heat shrink tubing

Features and Application

2:1 shrink ratio

Flame retardant

Good resistance to common fluids and solvents

Operating temperature: -55°C to 150°C

Fully shrink temperature: $\geq 135^{\circ}\text{C}$

RoHS compliant

UL E361238

Dimensions 2:1 (2X)

SIZE		AS SUP- PLIED	AFTER RECOVERY		STANDARD PACKAGE
Inch	mm	INTERNAL DIAMETER mm(min)	INTERNAL DIAMETER mm(max)	WALL THICK- NESS mm(nom)	SPOOL LENGTH m/spool
3/64	1,2	$\geq 1,2$	$\leq 0,6$	$0,40 \pm 0,08$	150
1/16	1,6	$\geq 1,6$	$\leq 0,8$	$0,43 \pm 0,08$	150
3/32	2,4	$\geq 2,4$	$\leq 1,2$	$0,51 \pm 0,08$	150
1/8	3,2	$\geq 3,2$	$\leq 1,6$	$0,51 \pm 0,08$	150
3/16	4,8	$\geq 4,8$	$\leq 2,4$	$0,51 \pm 0,08$	75
1/4	6,4	$\geq 6,4$	$\leq 3,2$	$0,64 \pm 0,08$	75
3/8	9,5	$\geq 9,5$	$\leq 4,8$	$0,64 \pm 0,08$	75
1/2	12,7	$\geq 12,7$	$\leq 6,4$	$0,64 \pm 0,08$	50
5/8	16,0	$\geq 16,0$	$\leq 8,0$	$0,76 \pm 0,08$	50
3/4	19,0	$\geq 19,0$	$\leq 9,5$	$0,76 \pm 0,08$	30
1	25,4	$\geq 25,4$	$\leq 12,7$	$0,89 \pm 0,12$	30
1-1/4	31,8	$\geq 31,8$	$\leq 15,9$	$1,02 \pm 0,15$	30
1-1/2	38,0	$\geq 38,0$	$\leq 19,0$	$1,02 \pm 0,15$	30
2	50,8	$\geq 50,8$	$\leq 25,4$	$1,14 \pm 0,18$	30
3	76,0	$\geq 76,0$	$\leq 38,0$	$1,27 \pm 0,20$	15
4	101,6	$\geq 101,6$	$\leq 50,8$	$1,40 \pm 0,20$	15

TECHNICAL DATA SHEET

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Technical Data

Property	Test Method	Standard Performance
Tensile strength (MPa)	ASTM D 2671	≥10,4
Ultimate elongation (%)	ASTM D 2671	≥200
Tensile strength after heat aged (MPa)	180°C×180h	≥7,3
Ultimate elongation after heat aged (%)	180°C×180h	≥100%
Corrosion	UL 224	No Corrosion
Flammability	ASTM D 2671 C method	VW-1
Voltage withstand	UL 224 2500V, 60s	No breakdown
Heat shock	UL 224, 250°C×4h	No cracks, flowing or dripping
Cold bend	UL 224 -30°C×1h	No cracks
Dielectric strength (kV/mm)	ASTM D 149	≥19,7
Volume resistivity (Ω·cm)	ASTM D 876	≥10 ¹⁴
Water absorption (%)	UL 224	≤0,5