

LSF

Flame retardant, multi-purpose heat shrink polyolefin tubing



Features and Application

Flexible

Flame retardant, UL224 VW-1,

Suitable for various applications

Operating temperature: -55°C to 135°C

Shrink temperature: $\geq 120^{\circ}\text{C}$

RoHS compliant

Meet SAE AMS DTL-23053/5 Class 1 and 3

UL E361238

Dimensions 2:1 (2X)

SIZE		AS SUP-PLIED	AFTER RECOVERY		STANDARD PACKAGE
Inch	mm	INTERNAL DIAMETER mm(min)	INTERNAL DIAMETER MAX mm(max)	WALL THICK-NESS NOM mm(nom)	SPOOL LENGTH m/spool
3/64	1,2	$\geq 1,2$	$\leq 0,6$	0,41 \pm 0,1	200
1/16	1,6	$\geq 1,6$	$\leq 0,8$	0,41 \pm 0,1	200
3/32	2,4	$\geq 2,4$	$\leq 1,2$	0,51 \pm 0,1	200
1/8	3,2	$\geq 3,2$	$\leq 1,6$	0,51 \pm 0,1	200
3/16	4,8	$\geq 4,8$	$\leq 2,4$	0,51 \pm 0,1	100
1/4	6,4	$\geq 6,4$	$\leq 3,2$	0,64 \pm 0,1	100
3/8	9,5	$\geq 9,5$	$\leq 4,8$	0,64 \pm 0,1	100
1/2	12,7	$\geq 12,7$	$\leq 6,4$	0,64 \pm 0,1	100
5/8	16,0	$\geq 16,0$	$\leq 8,0$	0,76 \pm 0,15	100
3/4	19,1	$\geq 19,1$	$\leq 9,5$	0,76 \pm 0,15	100
1	25,4	$\geq 25,4$	$\leq 12,7$	0,89 \pm 0,15	50
1-1/4	31,8	$\geq 31,8$	$\leq 15,9$	0,89 \pm 0,15	50
1-1/2	38,1	$\geq 38,1$	$\leq 19,0$	1,00 \pm 0,15	50
2	50,8	$\geq 50,8$	$\leq 25,4$	1,15 \pm 0,15	25
3	76,2	$\geq 76,2$	$\leq 38,0$	1,27 \pm 0,20	25
4	101,6	$\geq 101,6$	$\leq 50,8$	1,40 \pm 0,20	25

other diameters upon request

Dimensions 3:1 (3X)

SIZE		AS SUP-PLIED	AFTER RECOVERY		STANDARD PACK-AGE
Inch	mm	INTERNAL DIAMETER mm(min)	INTERNAL DIAMETER mm(max)	WALL THICK-NESS mm(nom)	SPOOL LENGTH m/spool
1/16	1,6	$\geq 1,6$	$\leq 0,5$	0,45 \pm 0,10	200
1/8	3,2	$\geq 3,2$	$\leq 1,0$	0,55 \pm 0,10	200
3/16	4,8	$\geq 4,8$	$\leq 1,5$	0,60 \pm 0,10	100
1/4	6,4	$\geq 6,4$	$\leq 2,0$	0,65 \pm 0,10	100
3/8	9,5	$\geq 9,5$	$\leq 3,0$	0,75 \pm 0,15	100
1/2	12,7	$\geq 12,7$	$\leq 4,0$	0,75 \pm 0,15	100
5/8	16,0	$\geq 16,0$	$\leq 5,0$	0,80 \pm 0,15	100
3/4	19,1	$\geq 19,1$	$\leq 6,0$	0,85 \pm 0,15	100
1	25,4	$\geq 25,4$	$\leq 8,0$	1,00 \pm 0,20	50
1-1/4	31,8	$\geq 31,8$	$\leq 10,0$	1,15 \pm 0,20	50
1-1/2	38,1	$\geq 38,1$	$\leq 13,0$	1,50 \pm 0,20	50
2	50,8	$\geq 50,8$	$\leq 16,0$	2,50 \pm 0,20	25
3	76,2	$\geq 76,2$	$\leq 25,0$	2,60 \pm 0,20	25
4	101,2	$\geq 101,2$	$\leq 33,0$	2,60 \pm 0,20	25

Technical Data

Property	Test Method	Standard Performance
Tensile strength (MPa)	ASTM D 638	≥10,4
Ultimate elongation (%)	ASTM D 638	≥200
Tensile strength after heat aged (MPa)	175°C×168h	≥7.3
Ultimate elongation after heat aged (%)	175°C×168h	≥100
Longitudinal change (%)	ASTM D 2671	-5%~%5+
Flammability	UL224	VW-1
Voltage withstand	UL 224, 2500V, 60s	No breakdown
Heat shock	UL 224, 250°C×4h	No cracks, flowing or dripping
Dielectric strength (kV/mm)	ASTM D 149	≥15
Volume resistivity (Ω·cm)	ASTM D 876	≥10 ¹⁴

Black (BK)	Clear* (CL)	White (WH)	Red (RD)	Yellow (YE)	Green (GN)	Blue (BU)	Grey (GY)	Brown (BN)	Orange (OG)	Violet (VT)	Green/Yellow (GNYE)

*clear colour not flame