

LSM



Dual Wall Adhesive Lined Cross -linked Polyolefin tubing

Adhesive lined heat shrink tubing ideal for applications where both exceptional flame retardancy and environmental sealing capabilities are required

Features and Benefits

3:1 & 4:1 shrink ratio

Highly flame retardant

Superior sealing against water, moisture or other contaminants

High shrink ratio allows for coverage of irregularly shaped connectors and components

Continuous operating temperature: -45°C-135°C

Shrink Temperature: min. 125°C

Meets MIL-DTL-23053/4

UL E361238

Dimensions 3:1 (3X)

Size		Expanded Internal Diameter mm (min)	After Recovery			Standard Package Length/m Spool Stick	
Inch	mm		Internal Diameter mm (max)	Total Wall Thickness mm (nom)	Adhesive Thickness Mm (nom)		
1/8	3,2	3,2	1,0	0,90±0,30	0,40±0,20	200	-
3/16	4,8	4,8	1,6	1,05±0,30	0,40±0,20	100	-
1/4	6,4	6,4	2,0	1,25±0,30	0,45±0,20	100	-
5/16	7,9	7,9	2,7	1,35±0,30	0,45±0,20	100	-
3/8	9,5	9,5	3,0	1,45±0,30	0,50±0,20	50	-
1/2	12,7	12,7	4,0	1,65±0,30	0,50±0,20	25	1,22
5/8	16,0	16,0	5,0	1,80±0,30	0,55±0,30	25	1,22
3/4	19,1	19,1	6,0	1,95±0,30	0,60±0,30	25	1,22
1	25,4	25,4	8,0	2,00±0,40	0,60±0,30	25	1,22
1-1/4	31,8	31,8	10,0	2,15±0,40	0,65±0,30	25	1,22
1-1/2	38,1	38,1	13,0	2,45±0,40	0,75±0,30	25	1,22
2	50,8	50,8	17,0	2,75±0,40	0,80±0,30	25	1,22
2-1/2	64,0	64,0	21,3	3,00±0,30	0,70±0,15	-	1,22
3	75,0	75,0	25	3,00±0,30	1,0±0,20	-	1,22
3-1/2	90,0	90,0	30,0	3,00±0,30	1,0±0,20	-	1,22
4	101,6	101,6	33,8	3,00±0,30	1,0±0,20	-	1,22
5	125,0	125,0	41,6	3,00±0,30	1,0±0,20	-	1,22

TECHNICAL DATA SHEET

Revision Number. 1

Last Edited 3. juli 2023

This information and data is believed to be accurate and reliable. Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, Link Solutions makes no representations as to the completeness or accuracy thereof. We place at your disposal the technical information necessary for the correct use of our products. As conditions and methods of use are beyond our control, that the person receiving the same will make their own determination as to the suitability for their purpose. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

Dimensions 4:1 (4X)



Size		Expanded	After Recovery			Standard Package Length/m Spool Stick	
Inch	mm	Internal Diameter mm (min)	Internal Diameter mm (max)	Total Wall Thickness mm (nom)	Adhesive Thickness Mm (nom)		
5/32	4,0	4,0	1,0	1,05±0,30	0,50±0,20	100	-
1/4	6,0	6,0	1,5	1,15±0,30	0,50±0,20	100	-
5/16	8,0	8,0	2,0	1,55±0,30	0,60±0,25	50	-
1/2	12,0	12,0	3,0	1,75±0,30	0,60±0,25	25	1,22
5/8	16,0	16,0	4,0	2,00±0,35	0,70±0,30	25	1,22
25/32	20,0	20,0	5,0	2,30±0,40	0,70±0,30	25	1,22
1	24,0	24,0	6,0	2,60±0,40	0,75±0,30	25	1,22
1-1/4	32,0	32,0	8,0	3,00±0,50	0,90±0,30	25	1,22
2	52,0	52,0	13,0	3,35±0,50	0,95±0,30	25	1,22

Technical Data

Property	Test method	Standard Performance
Tensile strength(MPa)	ASTM D 2671	≥10,4
Elongation (%)	ASTM D 2671	≥200
Tensile strength after aging (MPa)	MIL-DTL-23053/4	≥7,3
Elongation after aging (%)	MIL-DTL-23053/4	≥100
Dielectric strength(kV/mm)	IEC 60243	≥15
Volume resistivity (Ω.cm)	IEC 60093	≥10 ¹⁴

Adhesive

Property	Test method	Standard
Water Absorption	ASTM D 570	≤0,2%
Softening Point (°C)	ASTM E 28	90±5°C
Strength of peeling (PE)	ASTMD 1000	120N/25mm
Strength of peeling (2AL)	ASTMD 1000	80N/25mm

Standard Colours	
black	transparent
	

*transparent not flame retardant