

High Shrink Ratio, Adhesive Lined, Polyolefin Heat Shrink Tubing 3X and 4X



Characteristics:

Operating Temperature	: -55°C to +125°C
Min. Shrink Temperature	: 70°C
Shrink Ratio	: 3:1 and 4:1
Approvals	: UL224, 125°C 600V VW-1 (except clear)
Standard Colour	: Black (Other colours are also available on request)

Applications

Manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for the protected items. Typically used for the protection of automotive wires, bundled wires and metal tubes against water and moisture. The high expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.

Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	10.4MPa
Ultimate Elongation (%)	ASTM D 2671	30
Longitudinal Shrinkage (%)	UL 224	0 to -10
Heat Aging Ultimate Elongation (%)	158°C, 168hrs.	200
Flammability	VW-1	Pass (outer jacket only)
Dielectric Strength (kv/mm)	IEC 243	20
Volume Resistivity (Ω-cm)	UL224	1×10^{14}
Copper Stability	ASTM D 2671	Pass
Corrosion	UL224	No corrosion

Dimensions: Heat Shrinkable Tubing of 3X

Size		As supplied (mm)			After Recovered (mm)			
Inch	mm	Min. I.D.	Average W.T.	O.D.	Max. I.D.	Total W.T.	Adhesive Thickness	O.D.
1/8	3.2	3.2	0.3 ±0.08	3.6 ±0.2	1	0.95 ±0.08	0.35 ±0.08	2.9 ±0.2
3/16	4.8	4.8	0.46 ±0.08	5.7 ±0.2	1.6	1.1 ±0.08	0.4 ±0.08	3.8 ±0.2
1/4	6.4	6.4	0.5 ±0.08	7.4 ±0.2	2.2	1.2 ±0.08	0.45 ±0.08	4.6 ±0.2
5/16	7.9	7.9	0.52 ±0.08	8.9 ±0.2	2.7	1.35 ±0.08	0.5 ±0.08	5.4 ±0.2
3/8	9.5	9.5	0.55 ±0.08	10.6 ±0.2	3.2	1.45 ±0.08	0.5 ±0.08	6.1 ±0.2
1/2	12.7	12.7	0.68 ±0.08	14.1 ±0.2	4.2	1.7 ±0.08	0.5 ±0.08	7.6 ±0.2

Heatshrink

Adhesive Lined

pro-POWER

Size		As supplied (mm)			After Recovered (mm)			
Inch	mm	Min. I.D.	Average W.T.	O.D.	Max. I.D.	Total W.T.	Adhesive Thickness	O.D.
5/8	15	15	0.70 ±0.1	16.4 ±0.2	5.2	1.8 ±0.1	0.55 ±0.1	8.8 ±0.2
3/4	19.1	19.1	0.76 ±0.1	20.6 ±0.2	6.3	2 ±0.1	0.55 ±0.1	10.3 ±0.2
1	25.4	25.4	0.78 ±0.1	27.0 ±0.2	8.5	2.1 ±0.1	0.55 ±0.1	12.7 ±0.2
1-1/4	30	30	0.80 ±0.1	31.6 ±0.2	10.2	2.2 ±0.1	0.6 ±0.1	14.6 ±0.2
1-1/2	39	39	0.85 ±0.1	40.7 ±0.2	13.5	2.4 ±0.1	0.6 ±0.1	18.3 ±0.2
2	50	50	0.95 ±0.1	51.9 ±0.2	17	2.7 ±0.1	0.7 ±0.1	22.4 ±0.2

Dimensions: Heat Shrinkable Tubing of 4X

Size		As supplied (mm)			After Recovered (mm)				Part Number	
Inch	mm	Min. I.D.	Average W.T.	O.D.	Max. I.D.	Total W.T.	Adhesive Thickness	O.D.		
-	4	4	0.5 ±0.1	5.1 ±0.2	1	1 ±0.15	0.4 ±0.15	3 ±0.3	HS400	HS409
-	6	6	0.4 ±0.1	7.1 ±0.2	1.5	1.1 ±0.15	0.4 ±0.15	3.7 ±0.3	HS401	HS410
-	8	8	0.55 ±0.1	9.5 ±0.2	2	1.5 ±0.15	0.5 ±0.15	5 ±0.3	HS402	HS411
-	12	12	0.55 ±0.1	13.5 ±0.2	3	1.7 ±0.15	0.5 ±0.15	6.4 ±0.3	HS403	HS412
-	16	16	0.65 ±0.1	17.8 ±0.2	4	2 ±0.15	0.6 ±0.15	7 ±0.3	HS404	-
-	20	20	0.65 ±0.1	22.4 ±0.2	5	2.3 ±0.25	0.6 ±0.15	9.6 ±0.3	HS405	-
-	24	24	0.8 ±0.15	26.8 ±0.2	6	2.5 ±0.25	0.6 ±0.15	11 ±0.3	HS406	-
-	32	32	0.9 ±0.15	35.2 ±0.2	8	2.8 ±0.3	0.7 ±0.15	13.6 ±0.3	HS407	-
-	52	52	1 ±0.15	54 ±0.2	13	3 ±0.3	0.7 ±0.15	19 ±0.6	HS408	-

Part Number Table

Description	Part Number
Heatshrink, Black, 4mm, 1.2m	HS400
Heatshrink, Sleeving, 6mm, 4:1	HS401
Heatshrink, Sleeving, 8mm, 4:1	HS402
Heatshrink, Sleeving, 12mm, 4:1	HS403
Heat Shrink, Black, 16mm, 1.2m	HS404
Heatshrink, 20mm, Black, 1.2m	HS405
Heat Shrink, Adhesive, Black, 24mm, 1.2m	HS406

Description	Part Number
Heat Shrink, Adhesive, Black, 32mm, 1.2m	HS407
Heatshrink, Sleeving, 52mm, 4:1	HS408
Heatshrink, Sleeving, 4mm, 4:1, 5m	HS409
Heatshrink, Sleeving, 6mm, 4:1, 5m	HS410
Heatshrink, Sleeving, 8mm, 4:1, 5m	HS411
Heatshrink, Sleeving, 12mm, 4:1, 5m	HS412

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