



## **HEAVY WALL ADHESIVE LINED HEAT-SHRINK TUBING**

**SHRINK RATIO 3:1**

**RoHS COMPLIANT**

**HEAVY WALL**

**GMT-300AL** is a heavy wall, adhesive lined, high shrink ratio polyolefin heat shrinkable tube. The increased shrink ratio allows coverage for irregular sizes. It has excellent physical, chemical, and electrical properties. Few sizes cover a variety of diameters, which allows for inventory reduction and coverage for irregular shapes. The heavy wall and adhesive line are optimal for submersion and direct burial applications.

### ***GMT-300AL Applications***

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Insulation and watertight sealing for cable splices, electrical terminations, and jacket repair. Adhesive Line provides connector to cable connections, submergibility, and direct burial.

### **Characteristics**

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High Impact, Abrasion, Chemical, and Corrosion Resistance

Rated 600V, 90°C for Continuous Use

Operating Temperature: -45° to 125° Celsius

Shrink Temperature: 125°C

Shrink Ratio: 3:1

Environmentally Friendly

Colors: Standard Color is Black, Colors Available Upon Request

## Specifications

Gamma	Inside Diameter				Total Wall Thickness		Adhesive Wall	
Part No.	Min. Expanded as Supplied		Max. Recovery After Heating		After Heating		After Heating	
W/ Size	mm	inch	mm	inch	mm	inch	mm	Inches
GMT-300AL-9	9	0.35	3	0.12	2.3±0.25	0.09±.00975	0.35±0.10	0.014±0.004
GMT-300AL-13	13	0.51	4	0.16	2.75±0.25	0.11±.00975	0.35±0.10	0.014±0.004
GMT-300AL-20	20	0.78	6	0.23	2.90±0.25	0.11±.00975	0.40±0.10	0.015±0.004
GMT-300AL-28	28	1.09	9	0.35	2.90±0.25	0.11±.00975	0.40±0.10	0.015±0.004
GMT-300AL-33	33	1.29	10	0.12	3.60±0.25	0.14±.00975	0.40±0.10	0.015±0.004
GMT-300AL-38	38	1.49	12	0.40	4.00±0.25	0.16±.00975	0.60±0.15	0.023±0.006
GMT-300AL-43	43	1.68	12	0.47	5.00±0.35	0.2±.01365	0.70±0.20	0.027±0.008
GMT-300AL-51	51	1.99	16	0.62	5.00±0.35	0.2±.01375	0.70±0.20	0.027±0.008
GMT-300AL-70	70	2.73	21	0.82	5.00±0.35	0.2±.01375	0.70±0.20	0.027±0.008
GMT-300AL-85	85	3.32	25	0.98	5.00±0.35	0.2±.01375	0.70±0.20	0.027±0.008
GMT-300AL-105	105	4.10	30	1.17	5.10±0.35	0.2±.01375	0.80±0.25	0.031±0.0098
GMT-300AL-120	120	4.68	39	1.52	5.10±0.35	0.2±.01375	0.80±0.25	0.0275±0.0098
GMT-300AL-140	140	5.46	42	1.64	5.10±0.35	0.2±.01375	0.80±0.25	0.0275±0.0098

## Properties

Property	Test Method	Standard
Tensile Strength	ASTM 2671	≥14MPa
Elongation	ASTM 2671	≥ 400%
Density	ASTMD 792	1.20g/cm <sup>3</sup>
Longitudinal shrinkage	UL224	± 10%
Elongation at break after aging	UL224 158°C X 168hrs	≥ 300%
Heat resistance	UL224 225° C X 4hrs	No Viscidity
Dielectric strength (kv/mm)	IEC 243	≥ 20KV/mm
Volume resistance	IEC 93	≥ 10 <sup>14</sup> Ω.cm
Water absorption	ASTM-D570	<0.15%

## Adhesive Properties

Property	Test Method	Standard
Water Absorption	ASTM-D570	<0.2%
Vicat Softening Point	ASTM-E8	95°C
Peel Strength (PE)	ASTM-D1000	120N/25m
Peel Strength(AL)	ASTM-D1000	80N/25m

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR

P/N Example: GMT-300AL-9-0 = 9mm Black Heavy Wall 3:1 Heat Shrink Tubing

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[www.gammaelectronics.net](http://www.gammaelectronics.net)