

**SHRINK RATIO: 4:1 RoHS**  
**E306685**  
**UL Certified**

GMT-421ALSR is a semi-rigid, high shrink ratio; flame retardant, heat resistant, heat shrinkable polyolefin tube with a meltable adhesive, which flows when heated. Its inner adhesive adheres, seals, and protects various electrical applications including wire splices, breakouts, and connectors to cable transitions. This product may be used in military, aerospace, automotive, and electronic industries

### GMT-421ALSR Applications

- Connector Strain Relief
- Pin Connector to Cable Coverage
- Covers Irregular Shapes & Connectors
- PC Board Coverage/Protection



### Characteristics

- Operating Temperature: -45° to 125°C
- Shrink Temperature: Start at 70°C; Completely Shrunk 125°C
- Shrink Ratio: 4:1
- Colors: Black to Clear

## Specifications

Gamma Part NO. W/ Size	Minimum Supplied I.D.		Maximum Recovered I.D.		After Recovered Thickness $\pm 0.15$		Standard Package 4 Feet Length
	mm	in	mm	in	mm	in	
GMT-421ALSR-1/4	6	1/4	1.27	0.05	1.3	0.56	25
GMT-421ALSR-5/16	8	5/16	1.65	0.065	1.65	0.76	25
GMT-421ALSR-1/2	12	1/2	2.41	0.095	2.0	1.02	25
GMT-421ALSR-3/4	18	3/4	4.45	0.175	2.5	1.37	25

Color Code: 0=BLK & , X=CLR

P/N Example: GMT-421ALSR-1/4-0 = Black 1/4" Tubing

## Properties

Property	Test Method	Standard	Typical Performance
Tensile Strength, MPa	ASTM D2671	$\geq 10.4$	11.5
Ultimate Elongation, %	ASTM D2671	$\geq 300$	450
Dielectric Strength, kV/mm	IEC 60243	$\geq 15$	8.5
Volume Resistivity, $\Omega$ -cm	IEC 60093	$\geq 10^{14}$	350
Tensile strength after aging, MPa	UL224 158°C*168hr	$\geq 15$	17.5
Elongation after aging, %	UL224 158°C*168hr	$\geq 10^{14}$	$2.5 \times 10^{14}$

## Adhesive

Property	Test Method	Standard Performance
Water Absorption, %	ASTM D 570	<0.2
Softening Point, °C	ASTM E 28	90 $\pm$ 5
Strength of peeling, PE	ASTM D 1000	120N/25mm
Strength of peeling, AL	ASTM D 1000	80N/25mm