

SHRINK RATIO: 4:1
RoHS COMPLIANT
UL RECOGNIZED COMPONENT
FLAME RETARDANT (EXCEPT CLEAR)
E306685 cUL 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

Applications

- Operating Temperature: -45° to 125°C
- Shrink Temperature: Start at 70°C, Completely Shrank @125°C
- Flame Retardant (Except Clear)
- Colors: Black & Clear
- SONY Compliant

Tubing Mechanical and Electrical Properties

Property	Test Method	Standard	Typical Performance
Tensile Strength, MPa	ASTM 2671	≥10.4	11.5
Elongation at Break, %	ASTM 2671	≥300	450
Tensile Strength after aging, MPa	UL224 158°Cx168Hrs	≥7.3	8.5
Elongation at Break after aging, %	UL224 158°Cx168Hrs	≥200	350
Dielectric Strength, kV/mm	IEC243	≥15	17.5
Volume Resistivity, Ω-cm	ASTM D876	≥10 ¹⁴	2.5x10 ¹⁴

Adhesive Properties

Property	Test Method	Standard Performance
Water Absorption, %	ASTM D 570	<0.2
Softening Point, °C	ASTM E28	90±5
Strength of peeling, PE	ASTM D1000	120N/25mm
Strength of peeling, AL	ASTM D1000	80N/25mm

Dimensions

Gamma Part NO. W/ Size	As Supplied		After Recovery				Standard Package 4 Feet Length
	Minimum Inner Diameter		Maximum Inner Diameter		Total Wall Thickness		
	mm	in	mm	in	mm	in	Pcs per Pkg
GMT-421ALSR-1/4-CC	6	1/4	1.27	0.050	1.70	0.670	25
GMT-421ALSR-5/16-CC	8	5/16	1.65	0.065	2.00	0.787	25
GMT-421ALSR-1/2-CC	12	1/2	2.41	0.095	2.45	0.096	25
GMT-421ALSR-3/4-CC	18	3/4	4.45	0.176	2.60	0.102	25

Ordering Information

Color Code (CC): 0=BLK, X=CLR

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