



GENERAL PURPOSE POLYOLEFIN HEAT-SHRINKABLE TUBING

SHRINK RATIO 2:1

MIL-DTL-23053/5 CLASS 1, 2 (Clear) & 3

FLAME RETARDANT

RoHS COMPLIANT

UL RECOGNIZED E306685, CSA CERTIFIED



GMT-221 provides optimal insulation for cable assemblies, wire harnesses, and wire connections. It is designed to provide resistance to abrasion, thermal heat, and fluids in demanding environments. It provides excellent protection for wire bundles and may be used for wire identification.

GMT-221 Applications

General Purpose Insulation & Repair

Wire & Cable Harnessing & Bundling

Cable & Connector Protection

Spools Used in Automatic Cutting Machines

Characteristics

Operating Temperature: -45° to 135° Celsius

Shrink Temperature: 120°

Flame Retardant (Except Clear), UL Standard 224

Shrink Ratio: 2:1

Environmentally Friendly

Colors: 3/64 to 2 Inch Spools All Colors Available, 4 Ft Lengths Black, White, Clear, Red, Yellow, Blue, and Green are Available

Specifications

Gamma	Minimum Expanded		Maximum Recovered		Recovered Thickness		Standard Packaging	
Part No.	as Supplied		After Heating		After Heating		Packaging	
W/ Size	Mm	Inch	Mm	Inch	Mm	Inch	Spool	100' FT
GMT-221-3/64	1.2	0.046	0.60	0.023	0.40±0.08	0.016±0.003	1000'	100' FT
GMT-221-1/16	1.6	0.063	0.80	0.031	0.43±0.08	0.017±0.003	1000'	100' FT
GMT-221-3/32	2.4	0.093	1.20	0.046	0.51±0.08	0.020±0.003	500'	100' FT
GMT-221-1/8	3.2	0.125	1.60	0.062	0.51±0.08	0.020±0.003	500'	100' FT
GMT-221-3/16	4.8	0.250	2.40	0.093	0.51±0.08	0.020±0.003	500'	100' FT
GMT-221-1/4	6.4	0.375	3.20	0.125	0.64±0.08	0.025±0.003	250'	100' FT
GMT-221-3/8	9.5	0.375	4.80	0.187	0.64±0.08	0.025±0.003	250'	20' FT
GMT-221-1/2	12.7	0.500	6.40	0.25	0.64±0.08	0.025±0.003	100'	20" FT
GMT-221-3/4	19.1	0.750	9.50	0.375	0.76±0.08	0.030±0.003	100'	20" FT
GMT-221-1	25.4	1.000	12.70	0.5	0.89±0.12	0.035±0.005	100'	20' FT
GMT-221-11/4	31.8	1.250	15.90	0.625	1.02±0.15	0.040±0.006	50'	20' FT
GMT-221-11/2	38.1	1.500	19.10	0.75	1.02±0.15	0.040±0.006	50'	20' FT
GMT-221-2	50.8	2.000	25.40	1	1.14±0.16	0.045±0.007	50'	20' FT

Properties

Property	Test Method	Standard
Tensile Strength	ASTM D638	$\geq 10.4\text{MPa}$
Elongation at Break	ASTM D638	$\geq 200\%$
Longitudinal Shrinkage	UL224	$\leq 0.5\%$
Dielectric Strength	ASTM D150	$\geq 15\text{kv/mm}$
Volume Resistance	ASTM D876	$\geq 10^{14} \Omega \cdot \text{cm}$
Water Absorption	ASTM D570	$\leq 0.5\%$
Copper Stability	UL224	No Corrosion

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-221-1/4-0 = Black 1/4" Tubing

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