

# SUMITUBE® B2 (Y/G)

UL/CSA

## SPECIAL YELLOW GREEN STRIPED TUBING 3 : 1 Shrink Ratio

**UL/CSA RECOGNIZED 125°C 600V (VW-1)**



RoHS Compliant

### TYPICAL FEATURES

- 1) SUMITUBE B2 Y/G is a very flexible, flame retarded, heat shrinkable polyolefin tubing which has a unique yellow/green striped color (color ratio; Yellow/Green = 35/65) and high expansion ratio (3:1).
- 2) Shrink temperature is 90°C.
- 3) Operating temperature range is -55°C to +135°C and up to 200°C for short time durations.
- 4) Recommended for special purpose applications such as wire marking, color coding, electrical insulation of wire harness assemblies, where the international electrical ground designation is intended.

### STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
187/62	.187	4.8	.062	1.6	.020	0.51
375/125	.375	9.5	.125	3.2	.025	0.64
500/185	.500	12.7	.185	4.7	.028	0.71

**Standard Package:** 4 feet (4')

**How to Order:** (Type of material) (Size) (Color) (Packaging)

**Example:** B2 (Y/G) 187 Y/G 4'

## B2 (Y/G) Specification Values

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> Tensile strength (psi) Elongation (%) Specific gravity Low temperature flex (-55° C) Heat shock (250° C, 4 hrs.) Heat resistance (175° C, 168 hrs.) Elongation (%) Secant modulus (psi) Longitudinal change (%)	ASTM D638 ASTM D638 ASTM D792 AMS-DTL-23053 AMS-DTL-23053  ASTM D638 ASTM D882 AMS-DTL-23053	1500 min. 200 min. 1.35 nom. no cracking no cracking  100 min. 2.5 X 10 <sup>4</sup> max. +5, -15
<b>Electrical:</b> Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D876 ASTM D876	500 min. 1.0 X 10 <sup>14</sup> min.
<b>Chemical:</b> Corrosion (175° C, 16 hrs.) Water absorption (%) Fluid resistance (23°C, 24 hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	AMS-DTL-23053 ASTM D570  AMS-DTL-23053 UL 224 VW-1	no corrosion 0.5 max.  1000 min. pass 90° C

**Specification references:** UL 224 125° C, 600 V, VW-1  
 CSA C22.2 No. 198.1-98


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