SUMITUBE ® B2 (Y/G)

SPECIAL YELLOW GREEN STRIPED TUBING, 3:1 SHRINK RATIO

PRODUCT FEATURES;

- UL/CSA RECOGNIZED 125 °C, 600 V (VW-1)
- ROHS / ROHS2 COMPLIANT
- VERY FLEXIBLE, FLAME RETARDED
- UNIQUE YELLOW/GREEN STRIPED COLOR (COLOR RATIO; YELLOW/GREEN = 35/65)
- HIGH EXPANSION RATIO (3:1)
- SHRINK TEMPERATURE : 90 °C
- OPERATING TEMPERATURE RANGE: -55 °C TO +135 °C AND UP TO 200 °C FOR SHORT TIME DURATIONS.

BASIC PROPERTIES

- MATERIAL : FLEXIBLE POLYOLEFIN
- SHRINK RATIO : 3:1
- COLOR : YELLOW/GREEN STRIPED (Y/G)
- APPLICATIONS : SPECIAL PURPOSE APPLICATIONS SUCH AS WIRE MARKING, COLOR CODING AND ELECTRICAL INSULATION OF WIRE HARNESS ASSEMBLIES, WHERE THE INTERNATIONAL ELECTRICAL GROUND DESIGNATION IS INTENDED

PROPERTIES :

NOMINALSIZE	As Supplied		After Recovery			
	Inside Diameter As Supplied(Minimum)		Inside Diameter After Recovery(Maximum)		Wall Thickness After Recovery(Nominal)	
	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

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PERFORMANCES

PROPERTIES	ITEMS	REQUIREMENTS	TEST METHOD
PHYSICAL	Tensile strength (psi)	1500 min.	ASTM D638
	Elongation (%)	200 min.	ASTM D638
	Specific gravity	1.35 nom.	ASTM D792
	Low temperature flex (-55 °C)	No cracking	AS23053
	Heat shock (250 °C, 4 hrs.)	No cracking	AS23053
	Heat resistance (175 °C, 168 hrs.): Elongation (%)	100 min.	ASTM D638
	Secant modulus (psi)	2.5×10^4 max.	ASTM D882
	Longitudinal change (%)	+5, -15	AS23053
ELECTRICAL	Dielectric strength (volts/mil)	500 min.	ASTM D876
	Volume resistivity (ohm-cm)	1.0×10^{14} min.	ASTM D876
CHEMICAL	Corrosion (175 °C, 16 hrs.)	No corrosion	AS23053
	Water absorption (%)	0.5 max.	ASTM D570
	Fluid resistance (23 °C, 24 hrs.): Tensile strength (psi)	1000 min.	AS23053
	Flammability	Pass	UL 224 VW-1
	Shrink temperature, nominal	90 °C	

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

ORDERING INFORMATION

PACKAGING	4 FEET (4')			
HOW TO ORDER	(Type of material)	(Size)	(Color)	(Packaging)
ORDERING EXAMPLE:	B2 (Y/G)	187	Y/G	4'

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

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DIMENSIONS ARE SHOWN FOR REFERENCE PURPOSES AND SUBJECT TO CHANGE WITHOUT NOTICE.

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