SUMITUBE ® W3C

DUAL WALL FLEXIBLE CLEAR POLYOLEFIN WITH THICK WALL ADHESIVE, 3:1 SHRINK RATIO

PRODUCT FEATURES;

- ROHS / ROHS2 COMPLIANT; LEAD-FREE; HALOGEN-FREE
- FLEXIBLE, CLEAR POLYOLEFIN HEAT-SHRINKABLE TUBING WITH A THICK INNER WALL OF MODIFIED POLYAMIDE ADHESIVE WHICH MELTS AND FLOWS, ENCAPSULATING AND SEALING COMPONENTS CONTAINED WITHIN
- RECOMMENDED IN APPLICATIONS REQUIRING MOISTURE PROTECTION OR WATERPROOFING OF WIRE HARNESSING AND CONNECTOR COMPONENTS WHERE VISUAL INSPECTION IS OF IMPORTANCE
- SHRINK TEMPERATURE : 115 °C
- OPERATING TEMPERATURE RANGE: -55 °C TO +105 °C.

BASIC PROPERTIES

- MATERIAL : FLEXIBLE CLEAR POLYOLEFIN, DUAL WALL, THICK WALL MODIFIED POLYAMIDE ADHESIVE
- SHRINK RATIO : 3:1
- COLOR : CLEAR ONLY
- APPLICATIONS : MOISTURE PROTECTION OR WATERPROOFING OF WIRE HARNESSING AND CONNECTOR COMPONENTS WHERE VISUAL INSPECTION IS OF IMPORTANCE

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)
1/8	.125	3.2	.023	0.6	.038	0.96
3/16	.187	4.8	.059	1.5	.043	1.09
1/4	.250	6.4	.078	2.0	.047	1.19
3/8	.375	9.5	.118	3.0	.050	1.27
1/2	.500	12.7	.157	4.0	.055	1.39
3/4	.750	19.0	.315	8.0	.065	1.65
1	1.000	25.4	.400	10.2	.075	1.90

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PERFORMANCES

PROPERTIES	ITEMS	REQUIREMENTS	TEST METHOD
PHYSICAL	Tensile strength (psi)	1500 min.	ASTM D 638
	Elongation (%)	200 min.	ASTM D 638
	Cold impact (-55 °C)	No cracking	ASTM D 746
	Heat shock (250 °C, 4 hrs.)	No cracking	AS23053
	Longitudinal change (%)	+5, -15	AS23053
	Secant modulus (psi)	2.5×10^4 min.	AS23053
ELECTRICAL	Dielectric strength (volts/mil)	500 min.	ASTM D 876
	Volume resistivity (ohm-cm)	1.0×10^{15} min.	ASTM D 876
CHEMICAL	Corrosion (121 °C, 16 hrs.)	No corrosion	AS23053
	Water absorption (%)	0.5 max.	ASTM D 570
	Fluid resistance (23 °C, 24 hrs.): Tensile strength (psi)	900 min.	AS23053
	Flammability	N/A	
	Shrink temperature, nominal	115 °C	

ORDERING INFORMATION

COLOR	CLEAR ONLY			
PACKAGING	4 FEET (4')			
HOW TO ORDER	(Type of material)	(Size)	(Color)	(Packaging)
ORDERING EXAMPLE:	W3C	1/4	Clear	4'

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

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