SUMITUBE ® W3B2 (4X)

DUAL WALL FLEXIBLE POLYOLEFIN WITH THICK WALL ADHESIVE, HIGHLY OVEREXPANDED, 4:1 SHRINK RATIO

PRODUCT FEATURES;

- UL 224; ROHS / ROHS2 COMPLIANT
- FLEXIBLE, FLAME-RETARDED HEAT-SHRINKABLE POLYOLEFIN TUBING WITH A THICK WALL MODIFIED POLYAMIDE ADHESIVE WHICH MELTS AND FLOWS, ENCAPSULATING AND SEALING COMPONENTS CONTAINED WITHIN
- MEETS THE MATERIAL REQUIREMENTS OF AS23053 WITH THE EXCEPTION OF DIMENSIONS AND LONGITUDINAL CHANGE
- RECOMMENDED FOR CABLE REPAIR AND APPLICATIONS REQUIRING WATERPROOFING LIGHT CABLES AND WIRE HARNESSES
- PROVIDES STRAIN RELIEF AT CABLE TO CONNECTOR POINTS, OFTEN WITHOUT HAVING TO DEPIN THE CONNECTOR
- SHRINK TEMPERATURE : 110 °C
- OPERATING TEMPERATURE RANGE: -55 °C TO +125 °C.

BASIC PROPERTIES

- MATERIAL : FLEXIBLE, FLAME-RETARDED POLYOLEFIN, DUAL WALL, THICK WALL MODIFIED POLYAMIDE ADHESIVE, HIGHLY OVEREXPANDED
- SHRINK RATIO : 4:1
- COLOR : BLACK, WHITE
- APPLICATIONS : CABLE REPAIR; WATERPROOFING LIGHT CABLES AND WIRE HARNESSES; STRAIN RELIEF AT CABLE TO CONNECTOR POINTS

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)
4/1	.157	4.0	.039	1.0	.040	1.00
8/2	.315	8.0	.079	2.0	.048	1.20
12/3	.472	12.0	.118	3.0	.055	1.40
16/4	.630	16.0	.157	4.0	.071	1.80
24/6	.945	24.0	.236	6.0	.089	2.25
32/8	1.260	32.0	.315	8.0	.100	2.54
52/13	2.047	52.0	.510	13.0	.100	2.54

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PERFORMANCES

PROPERTIES	ITEMS	REQUIREMENTS	TEST METHOD
PHYSICAL	Tensile strength (psi)	1,500 min.	ASTM D638
	Elongation (%)	250 min.	ASTM D638
	Cold impact (-55 °C)	No cracking	ASTM D746
	Heat shock (250 °C, 4 hrs.)	No cracking	AS23053
	Secant modulus (psi)	2.5×10^4 max.	ASTM D882
	Longitudinal change (%)	+5, -15	AS23053
ELECTRICAL	Dielectric strength (volts/mil)	300 min.	ASTM D876
	Volume resistivity (ohm-cm)	1×10^{10}	ASTM D876
CHEMICAL	Corrosion	No corrosion	UL 224
	Water absorption (%)	1.0 max.	ASTM D570
	Fluid resistance (23 °C, 24 hrs.): Tensile strength (psi)	900 min.	AS23053
	Flammability	Pass	UL 224
	Shrink temperature, nominal	110 °C	

Specification reference: UL 224, 125 °C, 600V
File E75077, YDTU2, Cat. No. SUMITUBE W3B2 (4X) or 841

ORDERING INFORMATION

COLOR	BLACK, WHITE			
PACKAGING	4’			
HOW TO ORDER	(Type of material)	(Size)	(Color)	(Packaging)
ORDERING EXAMPLE:	W3B2 (4X)	8/2	Black	4’

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

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