SUMITUBE ® O2B2 (AS23053/4 Class 2)

FLEXIBLE POLYOLEFIN WITH ADHESIVE LINER, 2:1 SHRINK RATIO

PRODUCT FEATURES;

- MEETS THE MATERIAL AND FUNCTIONAL REQUIREMENTS OF AS23053/4, CLASS 2
- UL / CSA; ROHS COMPLIANT
- FLEXIBLE, FLAME-RETARDED POLYOLEFIN HEAT-SHRINKABLE TUBING
- MODIFIED POLYAMIDE ADHESIVE INNER WALL MELTS AND FLOWS, SEALING COMPONENTS CONTAINED WITHIN
- SHRINK TEMPERATURE : 110 °C
- OPERATING TEMPERATURE RANGE: -55 °C TO +110 °C.

BASIC PROPERTIES

- MATERIAL : FLEXIBLE POLYOLEFIN WITH MODIFIED POLYAMIDE ADHESIVE LINER
- SHRINK RATIO : 2:1
- COLOR : BLACK
- APPLICATIONS : ENVIRONMENTAL CONDITIONS THAT REQUIRE SEALING AGAINST MOISTURE AND WATER OR OTHER CONTAMINANTS

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	.062	1.6	.026	0.70
3/16*	.187	4.8	.093	2.4	.026	0.70
1/4	.250	6.4	.125	3.2	.030	0.75
3/8	.375	9.5	.187	4.8	.030	0.75
1/2	.500	12.7	.250	6.4	.030	0.75
5/8*	.625	15.9	.311	7.9	.033	0.85
3/4	.750	19.1	.375	9.5	.035	0.90
1	1.000	25.4	.500	12.7	.042	1.10
1 1/4*	1.250	31.8	.625	15.9	.047	1.20
1 1/2	1.500	38.1	.750	19.1	.047	1.20
2*	2.000	50.8	1.000	25.4	.053	1.35

* Non SAE-Spec sizes

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PERFORMANCES

PROPERTIES	ITEMS	REQUIREMENTS	TEST METHOD
PHYSICAL	Tensile strength (psi)	1500 min.	ASTM D638
	Elongation (%)	200 min.	ASTM D638
	Cold impact (-55 °C, 4 hrs.)	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 (%)	+1, -5	AS23053
ELECTRICAL	Dielectric strength (volts/mil)	500 min.	ASTM D876
	Volume resistivity (ohm-cm)	1.0×10^{14} min.	ASTM D876
CHEMICAL	Corrosion	No corrosion	UL 224
	Water absorption (%)	0.5 max.	ASTM D570
	Fluid resistance (23 °C, 24 hrs.): Tensile strength (psi)	1000 min.	AS23053
	Flammability	Pass	UL 224
	Shrink temperature, nominal	110 °C	

Specification reference: UL 224, 125 °C, 600 V
File E75077 YDTU2, Cat. No. 841 or SUMITUBE 02B2
CSA LR33298
AS23053/4, Class 2

ORDERING INFORMATION

COLOR	BLACK			
PACKAGING	4’			
HOW TO ORDER	(Type of material)	(Size)	(Color)	(Packaging)
ORDERING EXAMPLE:	O2B2	1/4	Black	4 foot

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

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