SUMITUBE A2

CLEAR FLEXIBLE HEAT SHRINKABLE TUBE, AS23053/5 CI 2 APPROVED

PRODUCT FEATURES;

- **SAE-AS-23053/5 Class 2 APPROVED**
- **TRANSPARENT COLOURS**
- **FLEXIBLE**

BASIC PROPERTIES

- **MATERIAL : IRRADIATED CROSS-LINKED FLEXIBLE POLYOLEFIN**
- **SHRINK TEMPERATURE : MIN. 110 °C**
- **SHRINK RATIO : RADIAL CHANGE: MIN. 50%; LONGITUDINAL CHANGE: 0 ± 5%**
- **CONTINUOUS OPERATING TEMPERATURE : -55 °C TO +135 °C**
- **COLOUR : CLEAR**
- **ENVIRONMENTAL COMPLIANCE : ROHS DIRECTIVE**
- **SPECIFICATIONS / APPROVALS : SAE-AS-23053/5 CLASS 2**
- **APPLICATION : INSULATION, PROTECTION AND REINFORCEMENT FOR TERMINATION AND JOINTS OF ELECTRIC WIRE; FIXING AND PROTECTION FOR CABLE LABELS**

SIZES

NOMINAL SIZE (INCH)	SUPPLIED ID (mm) INSIDE DIAMETER	SUPPLIED ID (mm) WALL THICKNESS (NOM.)	RECOVERED ID (mm) INSIDE DIAMETER (MAX.)	RECOVERED ID (mm) WALL THICKNESS	UNIT LENGTH (m) CUT (MIN.)	UNIT LENGTH (m) SPOOL (MIN.)
3/64	1.60 ± 0.30	0.20	0.60	0.41 ± 0.07	1.22	305
1/16	2.00 ± 0.30	0.20	0.80	0.43 ± 0.07	1.22	305
3/32	2.70 ± 0.30	0.25	1.20	0.51 ± 0.07	1.22	152.5
1/8	3.50 ± 0.30	0.25	1.60	0.51 ± 0.07	1.22	152.5
3/16	5.20 ± 0.30	0.30	2.40	0.51 ± 0.07	1.22	61
1/4	6.8 ± 0.4	0.30	3.20	0.64 ± 0.07	1.22	61
3/8	10.0 ± 0.4	0.30	4.80	0.64 ± 0.07	1.22	61
1/2	13.2 ± 0.5	0.30	6.4	0.64 ± 0.07	1.22	61
3/4	20.0 ± 0.6	0.40	9.5	0.76 ± 0.07	1.22	61
1	26.6 ± 0.8	0.45	12.7	0.89 ± 0.12	1.22	61
1-1/2	39.3 ± 1.0	0.45	19.1	1.02 ± 0.15	1.22	61
2	52.7 ± 1.5	0.50	25.4	1.14 ± 0.17	1.22	61
3	77.7 ± 1.5	0.55	38.1	1.27 ± 0.20	1.22	61
4	106.0 ± 3.0	0.60	50.8	1.40 ± 0.22	1.22	30.5

*For reference use only

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PROPERTIES : BASED ON SAE-AS-23053/6 CLASS 2

PROPERTIES	ITEMS	REQUIREMENTS	**TEST METHOD**
MECHANICAL	TENSILE STRENGTH (BEFORE AGING)	MIN. 10.4 MPa	ASTM D 638
	ELONGATION (BEFORE AGING)	MIN. 200%	ASTM D 638
	ELONGATION (AFTER AGING)	175 °C x 7 DAYS, MIN. 100%	ASTM D 638
	LOW TEMPERATURE FLEXIBILITY	-55 °C x 4 HOURS, NO CRACK	AS23053
	HEAT SHOCK	250 °C x 4 HOURS, NO CRACK	ASTM D 638
	SPECIFIC GRAVITY	MAX. 1.00	ASTM D 792
ELECTRICAL	DIELECTRIC STRENGTH	MIN. 19.7 kV/mm	ASTM D 876
	VOLUME RESISTIVITY	MIN. 1.0 x 10^14 Ω·cm	ASTM D 876
CHEMICAL	WATER ABSORPTION	23 °C x 24 HOURS, MAX. 0.50%	ASTM D 570
	CORROSION AGAINST BARE COPPER	175 °C x 16 HOURS, NO CORROSION	AS23053
	TRANSPARENT STABILITY	175 °C x 24 HOURS, NO CHANGE	WEATHER-O-METER
	FLUID RESISTANCE: TENSILE STRENGTH	IMMERSED 24 °C x 24 HOURS, MIN. 6.9 MPa	ASTM D 638
	FLUID RESISTANCE: DIELECTRIC STRENGTH	IMMERSED 24 °C x 24 HOURS, MIN. 15.8 kV/mm	ASTM D 876
	FLAMMABILITY	FLAMMABLE	AS23053

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ORDERING INFORMATION

CATALOG NO.	825
PRODUCT	SUMITUBE A2, CLEAR FLEXIBLE HEAT SHRINKABLE TUBE
SIZES	3/64 THROUGH 4 INCH (SEE SIZES TABLE)
SUPPLY FORM	CUT LENGTH (1.22 m MIN.) OR SPOOL (SEE SIZES TABLE)
COLOUR	CLEAR

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