

SUMITUBE® I

FLEXIBLE IONOMER 2 : 1 Shrink Ratio



RoHS/RoHS2 Compliant



Lead-Free



Halogen-Free

TYPICAL FEATURES

- 1) SUMITUBE I is a flexible, extremely tough, non-flame retarded, heat-shrinkable ionomer tubing which is resistant to tearing, scuffing and abrasion
- 2) Shrink temperature is 110° C.
- 3) SUMITUBE I is extremely lightweight and has exceptional tensile strength.
- 4) Operating temperature range is -55° C to +105° C.
- 5) SUMITUBE I is recommended for applications requiring very light weight and low profile tubing, combined with exceptional toughness.
- 6) Low specific gravity combined with thin wall results in very light weight tubing, while maintaining excellent mechanical strength.

STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
1mm	.039	1.00	.020	0.50	.006	0.15
2mm	.079	2.00	.039	1.00	.006	0.15
3mm	.118	3.00	.059	1.50	.006	0.15
4mm	.157	4.00	.079	2.00	.008	0.20
5mm	.197	5.00	.098	2.50	.008	0.20

Standard Colors: Black & Clear
Standard Package: Spools.
How to Order: AVAILABLE BY FACTORY QUOTATION ONLY

I Specification Values

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) Specific gravity Secant Modulus Low temperature flex (-55°C) Longitudinal change (%)	ASTM D 638 ASTM D 638 ASTM D 792 ASTM D 882 AMS-DTL-23053 AMS-DTL-23053	4000 MIN. 200 MIN. 1.00 MAX.. 6.0 X 10 ⁴ MAX. No cracking -20 MAX.
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 MIN. 1.0 X 10 ¹⁶ MIN.
Chemical: Water absorption (%) Fluid resistance (23°C, 24 Hrs.) Isopropyl alcohol Saline solution Ethylene glycol Tensile strength (psi) Elongation (%) Flammability Shrink temperature, nominal	ASTM D 570 ASTM D 570 ASTM D 638 ASTM D 638 -- --	0.5 max. 4000 MIN. 200- MIN. N/A 110°C


SUMITOMO ELECTRIC
INTERCONNECT PRODUCTS INC.
www.seipusa.com

915 Armorlite Drive
 San Marcos, CA 92069

Telephone: (800) 758-3515
 FAX: (800) 758-3517

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