

SUMITUBE® W5E

ELASTOMER, GENERAL PURPOSE, WITH ADHESIVE

TYPICAL FEATURES	
1) SUMITUBE W5E is a dual wall, heat shrinkable, non-flame retarded synthetic elastomer tubing with a hot-melt adhesive lined wall.	4) Shrink temperature range is 110°C.
2) SUMITUBE W5E is light-weight, highly flexible and has superior heat resistance compared to EPDM rubber.	5) Operating temperature range is -55°C to +110° C.
3) SUMITUBE W5E is over-expanded to fit a greater range of substrate sizes.	6) SUMITUBE W5E is recommended to provide protection against fluids and corrosion such as occurs on battery cables or bimetallic joints and for general mechanical and environmental protection.

STANDARD SIZES						
SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
W5E - 07	.750	19.1	.250	6.4	.075	1.9
W5E - 11	1.100	27.9	.325	8.3	.100	2.5
Standard Colors: Black & Red Standard Package: 4 feet (4') How to Order: (Type of material) (Size) (Color) (Packaging) Example: W5E 07 Black 4'						

W5E SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) * Specific gravity Low temperature flex (-55°C) Heat shock (200°C, 4 Hrs) Heat resistance (158°C, 1 week) Tensile strength (psi) Elongation (%) Longitudinal change (%)	ASTM D 638 ASTM D 638 ASTM D 792 AMS-DTL-23053 AMS-DTL-23053 ASTM D 638 ASTM D 638 AMS-DTL-23053	1500 MIN. 400 MIN. .91 NOM.. No cracking No cracking 1,200 MIN. 400 MIN. -15 MAX.
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 MIN. 1.0 X 10 ¹⁵ MIN.
Chemical: Water absorption (%) Copper mirror stability (121°C, 16 Hrs.) Fluid resistance (23°C, 24 Hrs.) Automotive battery acid Antifreeze Brake fluid 10W-30 motor oil Tensile strength (psi) Elongation (%) Shrink temperature Flammability	ASTM D 570 ASTM D 2671 ASTM D 638 ASTM D 638 --- ---	0.5 MAX. No corrosion 1500 MIN. 400 MIN. 110° C NOM. N/A

* Jacket material