

70 / 70B / 75A All Weather Electrical

DESCRIPTION

Highly conformable 7.5 mil thick vinyl plastic tape which can be used under all weather conditions and is designed to perform in temperature environments up to 80° C (176° F). Tape has excellent resistance to: acids, alkalis, abrasion, moisture, corrosion and varying weather conditions (i.e.: sunlight). With its memory (elasticity), 7.5 mil thickness and adhesion characteristics, provides moisture-tight electrical and mechanical protection.

FEATURES

- Polyvinyl chloride (PVC backing).
- Pressure sensitive (rubber based adhesive).
- Memory (elasticity) of the tape allows it to hold tightly and provide pressure without slipping or flagging.
- Compatible with all solid dielectric cable insulations.
- Highly resistant to chemical attack, ultra violet light and physical abuse.
- Flame retardant, cold and weather resistant.
- Meets UL510 requirements.
- Will not crack, split, slip or flag when exposed to various environments.

APPLICATIONS

- Primary electrical insulation for all wire and cable splices up to 600 volts and 80° C (176° F).
- For wire and cable harnessing.
- Excellent abrasion resistance for high voltage cable splices and termination (forms a protective jacket).

PHYSICAL PROPERTIES

Normal temperature rating – UL	80° C
Color	Black
Thickness (ASTM D-1000 78)	7.5 mils
Adhesion to steel (ASTM D-1000 78 72° F)	23 oz/in
Adhesion to backing (ASTM D-1000 78 72° F)	21 oz/in
Breaking strength (ASTM D-1000 78 72° F)	18 lb/in
Flammability UL (ASTM D-1000 78)	0-3 sec
Accelerated aging (MIL I 7798 A)	80%
Elongation (ASTM D-1000 78 72° F)	230%
Dielectric Strength (volts)	8000
Dielectric Wet (volts)	7900
Electrolytic corrosion (ratio)	1.0
Insulation resistance megohms (ASTM D-1000 78)	1 X 10 ¹⁴ th
Water absorption	1%
Resistance to ultraviolet light	Pass
Resistance to alkalies	Excellent

STORAGE CONDITIONS: For best performance stability, conditions (55 to 65 % RH and 35 to 70° F) should be maintained. Possible shelf life up to 5 years.

The physical and performance characteristics shown are averages obtained from tests recommended by ASTM, government agencies or our own procedures. A particular roll may vary slightly from these averages and it is recommended that the purchaser determine the suitability for his own purpose.

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PRODUCT DATA