

# #75AW General Purpose 8mil Vinyl



## DESCRIPTION

Electro 75AW is a highly conformable 8 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). Electro 75AW has excellent resistance to: acids, alkalis, abrasion, moisture, corrosion and varying weather conditions (i.e.: sunlight). Electro 75AW with its memory (elasticity), 8 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)	8 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)	22 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)	200%
Dielectric Strength (volts)	9500
Dielectric Wet (volts)	5550
Electrolytic corrosion (ratio)	1.0
Insulation resistance megohms (ASTM D-1000 78)	1 X 10 <sup>14</sup>
Water absorption	1%
Copper corrosion (MIL I 7798 A)	Pass
Resistance to ultraviolet light	Pass
Resistance to alkalis	Excellent