



## Premium 111

### Professional Grade Vinyl Electrical Tape

#### Technical Data Sheet

October 2017

#### Description and Features

**Premium 111** is a 0,18 mm (7 mil) all weather, professional grade, pressure sensitive vinyl tape which applies easily and gives excellent performance over a wide range of temperatures. Cold and weather resistant. Flame retardant. **Premium 111** can be used as primary insulation for splices up to 600 Volts. Use as protective outer jacket over splices and for all low temperature applications.

- Cold and weather resistant
- Flame retardant
- High dielectric strength
- Highly elastic
- Highly conformable
- High UV resistance
- High resistant to sun, water, oil, acids, alkalies, corrosive chemicals
- Meets 2000/53/EC and RoHS 2011/65/EU directives
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197.
- Pb, Cd, Hg, Cr (VI) free

Materials	Backing	Adhesive	Color	Standard Size
	PVC	Rubber based	Black	Width x Length 19 mm x 20 m (0.75 in. x 66 ft.) Other sizes available upon request

#### Technical Properties

Characteristic	Specification	Typical Value	Test Method
Thickness, (mm)	0,18±0,025	0,175	ASTM D 1000
Breaking strength (N/cm)	26 min	30	ASTM D 1000
Elongation at break (%)	220 min	260	ASTM D 1000
Adhesion to steel (N/cm)	1,8 min	2,2	ASTM D 1000
Adhesion to backing (N/cm)	1,8 min	2,2	ASTM D 1000
Flammability (seconds)	4 max	0	ASTM D 1000
Flagging (mm)	3 max	0	ASTM D 1000
Temperature Rating (°C)			
Maximum	80	80	UL510
	105	105	CSA C 22.2 no.197
Minimum	-10	-10	UL510
	-18	-18	CSA C 22.2 no 197
Dielectric Strength (kV)			ASTM D 1000
-Standard	7 min	8	ASTM D 1000
-Wet	90%	7,2	ASTM D 1000
Dielectric Constant	--	3,2	ASTM D 150
Insulation Resistance (MΩ)	--	1x10 <sup>6</sup>	ASTM D 1000

#### Recommended Uses

Used for general splicing purposes. Can be used as primary insulation for splices up to 600 Volts. Provide a protective outer jacket over splices for all low temperature applications. Can be used for wrapping wire harnesses, and insulating degaussing coils.

#### Storage

In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C, 50-80% R.H.

#### Shelf Life

60 months from date of manufacture.

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