



Premium 37

Professional Grade Vinyl Electrical Tape

Technical Data Sheet

October 2017

Description and Features

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

Materials	Backing	Adhesive	Colors	Standard Size Width x Length
	PVC	Rubber based	Red, White, Blue, Yellow, Orange, Violet, Brown, Grey, Green	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 ⁶	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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