



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, alkalis, 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 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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