



L969 Plyvolt®

Linerless High Voltage Insulating Tape

Technical Data Sheet

October 2017

Description and Features

L969 Plyvolt® is an ethylene rubber based high voltage tape with excellent electrical, chemical and physical properties. **L969 Plyvolt®** is a linerless, self-bonding tape that permits much quicker taping speeds than a tape with a liner and yields a uniform, void-free build-up. The excellent stretch of **L969 Plyvolt®** allows conformability to the most complex shapes and contour. **L969 Plyvolt®** is compatible with all extruded cable insulations and is specially formulated to have excellent thermal conductivity that will allow the heat to dissipate from a joint. It is flame retardant and meets typical industry standards.

- Linerless
- Self-bonding
- Outstanding corona and ozone resistance
- High thermal conductivity and flame retardant
- Excellent moisture, corrosion and chemical resistance. UV resistance
- Lead free

Materials	Backing	Adhesive	Color	Standard Sizes
	EPR Rubber	Acrylic adhesive	Black	Width x Length 19 mm x 9,1 m (0.75 in. x 30 ft.) 38 mm x 9,1 m (1.5 in. x 30 ft.) Other sizes available upon request
Technical Properties	Characteristic	Typical Value	Test Method	
	Thickness, (mm)	0,76	ASTM D 4325	
	Breaking strength (MPa)	2,3	ASTM D 412	
	Elongation at break (%)	890	ASTM D 412	
	Fusion (2,0 mm max.)	No flag	ASTM D 4325	
	Heat Resistance °C	130	ASTM D 4325	
	Operating Temp.:			
	Continuous (°C)	90	ASTM D 4325	
	Emergency Overload (°C)	130	ASTM D 4325	
	Water Absorption (%)	0,06	ASTM D 570	
	Ozone Resistance (visual)	Pass	ASTM D 4325	
	UV Resistance (visual)	Pass	ASTM D 4325	
	Dielectric Strength (kV/mm)	39	ASTM D 149	
	Dissipation Factor			
	After water immersion	0,005	ASTM D 150	
	After hot water immersion	0,015		
	Dielectric Constant:		ASTM D 150	
	After water immersion	2,9	ASTM D 150	
	After hot water immersion	3,1	ASTM D 150	
	Volume Resistivity (Ω.cm)			
	96h @ 23°C and 50% RH	1x10 ¹⁶	ASTM D 257	
	96h @ 23°C and 96% RH	1x 10 ¹³	ASTM D 257	
Recommended Uses	For insulating and jacketing of splices on power cable from 600 volts through 69,000 volts and for building stress cones and jacketing of terminations on power cable from 600 volts through 35,000 volts. Insulate and protect bus bars and joints.			
Storage	In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.			
Shelf Life	60 months from date of manufacture.			

Data in table represents average test results and are not to be used for specification purpose. The product users should make their own tests to determine the products' suitability for the intended use.

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