



## L969 Plyvolt®

# Linerless High Voltage Insulating Tape

Technical Data Sheet

November 2025

### 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. Contains flame retardant additives.

- Outstanding corona and ozone resistance
- High thermal conductivity
- Excellent moisture, corrosion and chemical resistance. UV resistance
- Lead free
- Meets REACH, RoHS 2 2011/65/EU Directive, ASTM D 4388 Type III

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	Characteristics	Typical Values	Test Method
	Thickness (mm)	0,76±0,076	ASTM D 4325
	Breaking strength (MPa)	2,3	ASTM D 412
	Elongation at break (%)	>900	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	ASTM D 150
	Dielectric Constant:		
	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 <sup>16</sup>	ASTM D 257
	96h @ 23°C and 96% RH	1x10 <sup>15</sup>	ASTM D 257

<b>Recommended Uses</b>	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.
<b>Storage</b>	In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.
<b>Shelf Life</b>	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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