

Plymouth

Plymouth Rubber Europa S.A

L969 Plyvolt

**Linerless EPR High Voltage
Insulating and Jacketing Tape**

Description

L969 Plyvolt is an ethylene propylene rubber based, high voltage tape possessing excellent electrical, chemical and physical properties. L969 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 contours. 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.

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.

Specifications

Property	Value	Unit	Test Method
Physical			
Color	Black	---	---
Thickness	0,76	mm	ASTM D 4388
	0.030	inch	ASTM D 4388
Tensile Strength	400	psi	ASTM D 4388
	2,8	MPa	ASTM D 4388
Elongation	1140	%	ASTM D 4388
Fusion	5/64 Max.	inch	ASTM D 4388
	2 Max.	mm	ASTM D 4388
Heat Resistance	130	° C	ASTM D 4388
Operating Temperature			
Continuous	90	° C	ASTM D 4388
Emergency Overload	130	° C	ASTM D 4388

Chemical			
Water Absorption	0,06	%	ASTM D 570
Ozone Resistance	Pass	Visual	ASTM D 4388
UV Resistance	Pass	Visual	ASTM D 4388

Electrical			
Dielectric Strength	39,4	kV/mm	ASTM D 4388
	1000	V/mil	ASTM D 4388
Dissipation Factor			
After water immersion	0,005	---	ASTM D 4388
After hot water immersion	0,015	---	ASTM D 4388
Permittivity			
After water immersion	2,9	---	ASTM D 4388
After hot water immersion	3,1	---	ASTM D 4388
Volume Resistivity			
96 h @ 23 °C and 50 % RH	10 ¹⁶	Ohmxcn	ASTM D 4388
96 h @ 23 °C and 96 % RH	10 ¹³	ohmxcn	ASTM D 4388

Features

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

Standard Sizes

- 3/4 in x 30 ft
19 mm x 9 m
- 1 in x 30 ft
25 mm x 9 m
- 1 1/2 in x 30 ft
38 mm x 9 m
- 2 in x 30 ft
51 mm x 9 m

Consult factory for other sizes



Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use.

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