

Plymouth

Plymouth Rubber Europa S.A

W962

Insulating and Jacketing Tape
for use thru 325kV

Description

W962 is an ethylene propylene rubber based high voltage tape possessing superior electrical, chemical, mechanical and thermal properties. Fuses quickly, yielding a void-free electrically stable build-up. For insulating and jacketing of splices on power cable from 600 volts through 138kV and for building stress cones and jacketing of terminations on power cable through 35kV. Available in 20 mil (0,51mm) or 30 mil (0,76mm) thickness. ASTM-D-4388, HH-1553C.

Recommended Uses

For insulating and jacketing of splices on power cable from 600 volts through 138kV volts and for building stress cones and jacketing of terminations on power cable through 35kV . A major component in transition joint construction.

Specifications

Property	Value	Unit	Test Method
Physical			
Color	Black	---	---
Thickness	0,51	mm	ASTM D 4388
	0.020	inch	ASTM D 4388
Tensile Strength	450	psi	ASTM D 4388
	3,10	MPa	ASTM D 4388
Elongation	920	%	ASTM D 4388
Fusion	2 Max.	mm	ASTM D 4388
	5/64 Max.	inch	ASTM D 4388
Heat Resistance	130	°C	ASTMD 4388
Operating Temperature			
Continuous	90	°C	ASTM D 4388
Emergency Overload	130	°C	ASTM D 4388

Chemical			
Water Absorption	0,02	%	ASTM D 570
Ozone Resistance	Pass	Visual	ASTM D 4388
UV Resistance	Pass	Visual	ASTM D 4388

Electrical			
Dielectric Strength	37,4	kV/mm	ASTM D 4388
	950	V/mil	ASTM D 4388
Dielectric Constant			
24 h @ 23 °C	2,6	---	ASTM D 4388
168 h @ 70 °C	2,6	---	ASTM D 4388
Dissipation Factor			
24 h @ 23 °C	0,001	---	ASTM D 4388
168 h @ 70 °C	0,005	---	ASTM D 4388
Volume Resistivity			
96 h @ 28 °C and 50 % RH	10 ¹⁶	ohm · cm	ASTM D 4388
96 h @ 23 °C and 96 % RH	10 ¹³	ohm · cm	ASTM D 4388

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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Features

- Self-amalgamating
- Outstanding corona and ozone resistance
- UV Resistant
- Excellent moisture, corrosion and chemical resistance
- Resistant to cable impregnants
- For use through 325kV

Product Approvals

- ASTM-D-4388
- HH-1553C

Standard Sizes

- 3/4 in x .020 in 30 ft
19 mm x 0,51mm 9 m
- 1 in x .020" x 30 ft
25 mm x 0,51 mm x 9 m
- 1 1/2 in x .020" x 30 ft
38 mm x 0,51 mm x 9 m
- 2 in x .020" x 33 ft
51 mm x 0,51 mm x 10 m

Consult factory for other sizes

