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DATA: Jan 01.02	BISHOP W 963 PLYSAFE EPR Self Amalgamating High Voltage Tape	Cod. NAB963 XX
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		Group L

DESCRIPTION

W963 is an Ethylene Propylene Rubber based high voltage possessing excellent electrical, chemical, and physical properties. W963 Plysafe is a self-amalgamating tape that maintains a tight insulation build-up for void free electrical stability and permanent resistance to moisture penetration. The excellent stretch of W963 Plysafe permits fast taping speeds and uniform build-up with normal taping techniques. W963 Plysafe is compatible with all extruded dielectric cable insulation's.



APPLICATIONS

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 thru 35,000 volts. Moisture seal for all water-proofing needs; insulating and protecting bus components. Due to its high stable mechanical and chemical properties, W963 Plysafe is ideal for cable jacket repair and restoration.

MAIN FEATURES

Self-amalgamating – Outstanding corona and ozone resistance – UV Resistant – Excellent moisture, corrosion and chemical resistance.

PROPERTIES	Value	Unit	Test Method
Colour	Black	-	-
Thickness	0.762	mm	ASTM-D-4325
Tensile Strength	350	Psi	ASTM-D-4325
Elongation	750	%	ASTM-D-4325
Fusion	5/64 max.	inc.	ASTM-D-4325
Heat resistance	130	°C.	ASTM-D-4325
Operating Temp -Continuous	90	°C.	ASTM-D-4388
Emergency Overload	130	°C.	ASTM-D-4388
Water Absorption	0,06	%	ASTM-D-570
Ozone Resistance	Pass	Visual	ASTM-D-4325
UV Resistance	Pass	Visual	ASTM-D-4325
Dielectric Strength	750	V/mil	ASTM-D-4325
Diel. Constant 24h @ 23°C.	2.7	--	ASTM-D-4325
168h @ 70°C.	2.9		ASTM-D-4325
Dissipation Factor 24h@23°C	0.005		ASTM-D-4325
168h @ 70°C.	0.015		ASTM-D-4325
Volume Resistivity: 96h@28°C. 50%RH	10 ¹⁶	ohm-cm	ASTM-D-4325
96h @ 23°C. 98%RH	10 ¹⁶	ohm-cm	ASTM-D-4325
U-Bend	>1000	Hours	IPCEA S-19-81

DIMENSIONAL DATA AND PACKAGING

Rolls length: Standard Width: Packing:
Mt. 9,1 mm 19 N. 48 rolls per case, individually packed; kg. 11

The statements in this publication are based on our present knowledge and experience. Due to the number of possible influences in the processing and application of our products, these statements do not exempt the user from making his own tests and experiments. They cannot be taken as legally binding assurance regarding certain properties or suitability for a particular application. Any possible patent rights as well as existing laws and provisions must be observed at the responsibility of the user.