

#9976EPR

LINERED HIGH VOLTAGE PREMIUM RUBBER SPLICING TAPE

QRAMO MATERIALS TECHNICAL DATA SHEET

DESCRIPTION

A high voltage splicing tape made of premium self-amalgamating EPR (ethylene propylene rubber) which possesses excellent electrical, chemical and physical properties. It is highly conformable, non-vulcanizing and yields a uniform, void free build up. #9976EPR is widely used as insulation for low-voltage applications as well as insulation for splices for **up to 69,000 volts**. Compatible with all extruded cables with a joint, it is also flame retardant with excellent moisture, corrosion and chemical resistance.

PRODUCT APPLICATIONS

#9976EPR is used for primary electrical insulation for splicing cables up to 69,000 volts on all solid di-electric cables and for building stress cones and jacketing of terminations on power cables from 600 volts through 35,000 volts. It is also commonly used to protect plus bars and joints and for moisture sealing of electrical connections.

ALTERNATIVE TO:

3M 23



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NOMINAL VALUES

The following data are based on nominal values based on PSTC, ASTM and other industry standard tests. The data should not be considered as specifications.

Backing	EPR Rubber
Colour	Black
Thickness (±%)	0.76mm ± 0.03mm
Elongation (ASTM D-412)	1,000%
Tensile Strength (ASTM D-412)	35.6 (N/10mm)
Fusion (ASTM D-4388)	Pass
Operating Temperature	90°C
Emergency Temperature	130°C
Water Absorption (ASTM D-570)	0.06%
Ozone/UV Resistance (ASTM D-4325)	Pass (visual)
Di-electric Strength (ASTM D-149)	39.50 (kV/mm)
Dissipation Factor (ASTM D-4325)	
After water immersion	0.005
After hot water immersion	0.015
Volume Resistivity (ASTM D-257)	
96h @23°C & 50% RH	1 x 10 (Ω -cm)
96h @23°C & 96% RH	1 x 10 (Ω -cm)



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