

3M Scotch™ 130C Linerless Rubber Splicing Tape

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch™ Linerless Rubber Splicing Tape 130C is a high conformable, linerless, ethylene rubber (EPR), high-voltage insulating tape, formulated to provide excellent thermal dissipation of splice heat. The tape is designed for use in splicing and terminating wires and cables. Rated up to 90°C continuous operating temperatures and short-term 130°C overload service. The tape has excellent physical and electrical properties, which provide immediate moisture seals and void-free build-ups. The product can be used for low and high-voltage (through 69 kV) applications. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-130C-Linerless-Rubber-Splicing-Tape.php

Physical Properties	Metric	English	Comments
Thickness	762 microns	30.0 mil	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1.72 MPa	249 psi	ASTM D4325
Elongation at Break	850 %	850 %	ASTM D4325

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.300 W/m-K	2.08 BTU-in/hr-ft²-°F	ASTM C518
Maximum Service Temperature, Air	90.0 °C	194 °F	Continuous
	130 °C	266 °F	Emergency Overload

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	Aged 96 hrs at 96% RH; ASTM D4325
	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	Original; ASTM D4325
Dielectric Constant	3.5	3.5	1200V; ASTM D4325
	@Frequency 60.0 Hz, Temperature 23.0 °C	@Frequency 60.0 Hz, Temperature 73.4 °F	
	3.6	3.6	1200V; ASTM D4325
	@Frequency 60.0 Hz, Temperature 90.0 °C	@Frequency 60.0 Hz, Temperature 194 °F	
Dielectric Strength	28.7 kV/mm	730 kV/in	96 hrs at 96% RH; ASTM D4325
	29.5 kV/mm	750 kV/in	Original; ASTM D4325

Electrical Properties	29.5 kV/mm Metric	750 kV/in English	24 hrs in water; ASTM D4325 Comments
Dissipation Factor	0.70 @Frequency 60.0 Hz, Temperature 23.0 °C	0.70 @Frequency 60.0 Hz, Temperature 73.4 °F	1200V; ASTM D4325

Descriptive Properties	Value	Comments
Appearance	Black	

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