

3M Scotch® Super 33+™ Vinyl Electrical Tape

Category : Polymer , Tape , Thermoplastic , Vinyl (PVC)

Material Notes:

Scotch® Super 33+™ Vinyl Electrical Tape is a premium grade, 7 mil thick, all-weather vinyl-insulating tape. It is designed to perform continuously in ambient temperatures up to 105°C. The tape is conformable for cold weather application down to -18°C. It has excellent resistance to abrasion, moisture, alkalies, acids, corrosion and varying weather conditions (including ultraviolet exposure). The combination of elastic backing and aggressive adhesive provides moisture-tight electrical and mechanical protection with minimum bulk. Scotch® Super 33+™ Vinyl Electrical Tape is UL Listed and is a Canadian Standards Association (CSA) Certified "Insulating Tape". Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Super-33-Vinyl-Electrical-Tape.php

Physical Properties	Metric	English	Comments
Thickness	178 microns	7.00 mil	

Mechanical Properties	Metric	English	Comments
Elongation at Break	100 %	100 %	ASTM D1000
	@Temperature -18.0 °C	@Temperature -0.400 °F	
	250 %	250 %	ASTM D1000
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Peel Strength	0.307 kN/m	1.75 pli	Adhesion to Steel; ASTM D1000
	@Temperature 2.00 °C	@Temperature 35.6 °F	
	0.307 kN/m	1.75 pli	Adhesion to Backing; ASTM D1000
	@Temperature 22.0 °C	@Temperature 71.6 °F	
	0.657 kN/m	3.75 pli	Adhesion to Steel; ASTM D1000
	@Temperature -18.0 °C	@Temperature -0.400 °F	
	0.657 kN/m	3.75 pli	Adhesion to Backing; ASTM D1000
	@Temperature -18.0 °C	@Temperature -0.400 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	

Electrical Properties	Metric	English	Comments
Insulation Resistance	$\geq 1.00 \times 10^{12}$ ohm	$\geq 1.00 \times 10^{12}$ ohm	ASTM D1000
Dielectric Strength	45.3 kV/mm	1150 kV/in	ASTM D1000

Descriptive Properties	Value	Comments
Appearance	Black	

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