

3M Scotch® 35 Vinyl Electrical Tape

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

Material Notes:

Scotch® Vinyl Electrical Tape 35 is a 7 mil (0.178 mm) polyvinyl chloride (PVC) color-coding tape. Outstanding electrical and mechanical properties make this tape excellent for use in phase identification, color coding of motor leads and piping systems, and for marking safety areas. Scotch® Tape 35 operates over a wide range of temperatures-up to 105°C; applies smoothly and conforms well above 0°C. This tape is available in nine fade resistant colors. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-35-Vinyl-Electrical-Tape.php

Physical Properties	Metric	English	Comments
Thickness	178 microns	7.00 mil	

Mechanical Properties	Metric	English	Comments
Elongation at Break	225 %	225 %	ASTM D1000
Peel Strength	0.219 kN/m	1.25 pli	Adhesion to Steel; ASTM D1000
	0.219 kN/m	1.25 pli	Adhesion to Backing; ASTM D1000

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	
Minimum Service Temperature, Air	0.000 °C	32.0 °F	

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	ASTM D1000
Dielectric Strength	49.2 kV/mm	1250 kV/in	
Dielectric Breakdown	7875 V	7875 V	Wet Condition (96 hrs @ RT); ASTM D1000
	8750 V	8750 V	Standard condition; ASTM D1000

Descriptive Properties	Value	Comments
Appearance	Blue, Brown, Gray, Green, Orange, Red, Violet, White, Yellow	

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