

3M Scotch® 22 Heavy Duty Vinyl Electrical Tape

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

Material Notes:

Scotch® Heavy Duty Vinyl Electrical Tape 22 is a premium grade, 10 mil thick, vinyl chloride tape. It is designed to perform continuously in ambient temperatures up to 80°C. The tape is conformable for cold weather applications down to 15°C. It has excellent resistance to abrasion, moisture, alkalies, acids, corrosion and varying weather conditions. The combination of elastic backing and aggressive adhesive provides moisture-tight electrical and mechanical protection with minimum bulk. Scotch® Tape 22 is an Underwriter's Laboratories Listed and Canadian Standards Association Certified "Insulating Tape." Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-22-Heavy-Duty-Vinyl-Electrical-Tape.php

Physical Properties	Metric	English	Comments
Thickness	254 microns	10.0 mil	ASTM D1000

Mechanical Properties	Metric	English	Comments
Elongation at Break	200 %	200 %	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	176 °C	349 °F	
Minimum Service Temperature, Air	15.0 °C	59.0 °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 Breakdown	10800 V	10800 V	High Humidity; ASTM D1000
	12000 V	12000 V	Standard condition; ASTM D1000

Descriptive Properties	Value	Comments
Appearance	Black	

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