

## 3M Scotch® Super 88 Vinyl Electrical Tape

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

### Material Notes:

Scotch® Vinyl Electrical Tape Super 88 is a premium grade, 8.5 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. The combination of elastic backing and aggressive adhesive provides moisture-tight electrical and mechanical protection with minimum bulk. It 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-88-Vinyl-Electrical-Tape.php](http://www.lookpolymers.com/polymer_3M-Scotch-Super-88-Vinyl-Electrical-Tape.php)

| Physical Properties | Metric      | English  | Comments |
|---------------------|-------------|----------|----------|
| Thickness           | 216 microns | 8.50 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 | >= 1.00e+12 ohm | >= 1.00e+12 ohm | ASTM D1000                     |
| Dielectric Breakdown  | 9000 V          | 9000 V          | High Humidity; ASTM D1000      |
|                       | 10000 V         | 10000 V         | Standard condition; ASTM D1000 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Appearance             | Black |          |

**Contact Songhan Plastic Technology Co.,Ltd.**

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