

3M 1400 Economy Vinyl Electrical Tape

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

Material Notes:

3M™ Economy Vinyl Electrical Tape 1400 is a black 7 mil thick, general use vinyl-insulating tape. It is designed to perform continuously in temperatures up to 80°C. This tape has a polyvinyl chloride (PVC) backing with pressure-sensitive rubber based adhesive. It inhibits corrosion of electrical conductors. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-1400-Economy-Vinyl-Electrical-Tape.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|----------|------------|
| Thickness | 178 microns | 7.00 mil | ASTM D1000 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|------------|----------|---------------------------------|
| Elongation at Break | 150 % | 150 % | ASTM D1000 |
| Peel Strength | 0.175 kN/m | 1.00 pli | Adhesion to Steel; ASTM D1000 |
| | 0.175 kN/m | 1.00 pli | Adhesion to Backing; ASTM D1000 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------|---------|----------|
| Maximum Service Temperature, Air | 80.0 °C | 176 °F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------|------------|--------------------------------|
| Dielectric Strength | 35.4 kV/mm | 900 kV/in | High Humidity; ASTM D1000 |
| | 39.4 kV/mm | 1000 kV/in | Standard Condition; ASTM D1000 |

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

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