



# HD2

## Heavy Duty Vinyl Electrical Tape

### Technical Data Sheet

October 2017

#### Description and Features

**Plymouth HD2**, is a 0,25 mm (10 mil) heavy duty, general purpose, pressure sensitive vinyl tape for all types of mechanical and electrical applications. Additional thickness allows for quicker build-ups and added abrasion protection. **HD2** is flame retardant and can be used as primary insulation for splices up to 600 volts.

- High dielectric strength
- Flame retardant
- Highly resistant to sun, water, oil, acids, alkalis, corrosive chemicals
- Lead free
- Meets UL 510, CSA C 22.2 no. 197, MIL I 7798A, ASTM D 2301, Meets 2000/53/EC and RoHS 2011/65/EU directives.
- Meets 60451-3-1 standard.
- Product does not contain lead, cadmium, mercury, chromium (VI), polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE), butyl benzyl phthalate (BBP), di(2-ethylhexyl phthalate (DEHP), dibutyl phthalate (DBP) or diisobutyl phthalate (DIBP).

| Materials                | Backing   | Adhesive      | Colors                     | Standard Sizes  |  |
|--------------------------|---|---------------|----------------------------|---|--|
|                          | PVC   | Rubber based  | Black                      | Width x Length<br>50 mm x 33 m ( 2 in. x 108 ft.)<br>38 mm x 33 m (1.5 in. x 108 ft.)<br>Other sizes available upon request |  |
| Technical Properties     | Characteristic  | Specification | Typical Value              | Test Method   |  |
|                          | Thickness, (mm)   | 0,25±0,03     | 0,25                       | ASTM D 1000   |  |
|                          | Breaking strength (N/cm)  | 44 min        | 48                         | ASTM D 1000   |  |
|                          | Elongation at break (%)   | 250 min       | 250                        | ASTM D 1000   |  |
|                          | Adhesion to steel (N/cm)  | 2,4 min       | 2,7                        | ASTM D 1000   |  |
|                          | Adhesion to backing (N/cm)  | 2,4 min       | 2,6                        | ASTM D 1000   |  |
|                          | Flammability ( seconds)   | 4 max         | 0                          | ASTM D 1000   |  |
|                          | Flagging (mm)   | 2,5 max       | 0                          | ASTM D 1000   |  |
|                          | Temperature Rating (°C)   |               |                            |   |  |
| Maximum                  | 80  | 80            | UL510<br>CSA C 22.2 no.197 |   |  |
| Minimum                  | -10   | -10           | UL510                      |   |  |
|                          | -18   | -18           | CSA C 22.2 no 197          |   |  |
| Dielectric Strength (kV) | 9,5   | 10            | ASTM D 1000                |   |  |
| Recommended Uses         | Used for general splicing purposes. Can be used as primary insulation for splices up to 600 volts and provides a protective outer jacket where maximum mechanical protection is required. |               |                            |   |  |
| Storage                  | In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C, 50-80% R.H.   |               |                            |   |  |
| Shelf Life               | 60 months from date of manufacture.   |               |                            |   |  |

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