



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 50 mm x 33 m (2 in. x 108 ft.) 38 mm x 33 m (1.5 in. x 108 ft.) Other sizes available upon request

Technical Properties	Characteristic	Specification	Typical Value	Test Method
	Thickness, (mm)		0,25±0,03	0,25
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
Minimum		105	105	CSA C 22.2 no.197
		-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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