



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	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	
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.				

LIMITED WARRANTY: Plymouth warrants that its Product will substantially conform to that products written specifications for a period of one (1) year from the date of shipment, (Unless provided otherwise). Plymouth makes no warranty to the distributor, its customers, or the product's end user for the products merchantability and/or suitability for his/its intended use or purpose, and buyer shall assume all risks associated therewith. Provided that the product is proved to be defective within the terms described above, and provided buyer shall have first complied with all return policies of Plymouth, PLYMOUTH'S SOLE OBLIGATION AND BUYER'S EXCLUSIVE REMEDY UNDER THIS PRODUCT WARRANTY SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT AS IS PROVED TO BE DEFECTIVE WITHIN THE TIME PERIOD SPECIFIED ABOVE. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PLYMOUTH MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. In no event shall Plymouth be liable for collateral, consequential, indirect or incidental damages arising out of, or connected in any way with the supply of products. (Rev. 1/2017-2019)