



R70

Utility Grade Vinyl Electrical Tape

Technical Data Sheet

December 2022

Description and Features

Plymouth R70 Utility Grade is a 0,18 mm premium quality pressure sensitive vinyl insulating tape. A perfect balanced combination of a flexible PVC film with a very special formulated rubber base adhesive which confers superior adhesion and conformability in ambient temperatures up to 105°C **Plymouth R70** gives complete environmental, electrical and mechanical protection and resistance over a wide range of applications.

Plymouth R70 Utility Grade tape is 0,6/1kV-rated with high resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions, being really operative in medium cold and hot weather areas due to its equilibrated mechanical properties.

Excellent performance and high durability make **Plymouth R70 Utility Grade** ideal to be used in indoor and outdoor applications.

- Superior Adhesion level
- Flame retardant
- Good dielectric strength
- Good elasticity and rebound
- Excellent conformability
- Cold & Sunlight resistant.
- Resistant to water, oil, acids, alkalis, corrosive chemicals
- UL 510 Certified & CSA C 22.2 no. 197 certified.
- Meets 2000/53/EC and RoHS 2 2011/65/EU directives

Materials	Backing	Adhesive	Color	Standard Size
	PVC	Rubber based	Black	Width x Length 19 mm x 20 m (0.75 in. x 66 ft.) Other sizes available upon request
Technical Properties	Characteristic	Typical Value	Test Method	
	Thickness, (mm)	0,18	ASTM D 1000	
	Breaking strength (N/cm)	43	ASTM D 1000	
	Elongation at break (%)	260	ASTM D 1000	
	Adhesion to steel (N/cm)	3,0	ASTM D 1000	
	Adhesion to backing (N/cm)	3,0	ASTM D 1000	
	Flammability (seconds)	0	ASTM D 1000	
	Temperature Rating	Min -10°C / Max 105°C Min -10°C / Max 80°C	CSA C 22.2 no.197 UL-510	
	Dielectric Strength (kV/mm)			
	-Standard	45	UL 510/ASTM D 1000	
	-Wet	>90% of Standard	UL 510/ASTM D 1000	
	Insulation Resistance (Ω)	>1x10 ¹²	UL 510/ASTM D1000	
Recommended Uses	Used for general splicing purposes. Can be used as primary insulation for splices up to 0,6/1kV. Provide a protective outer jacket over cable splices and repairs. Can be used for wrapping wire harnesses, and insulating degaussing coils.			
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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