

3M™ Portable Labeler Refill Cartridge PLV

Vinyl Tape for use in 3M Portable Labelers PL100, PL150, PL200, and PL300 Printers

Data Sheet

June 2012

Description 3M™ Portable Labeler Refill Cartridge PLV is a .007 mil colored vinyl tape formulated with an acrylic adhesive and a topcoat specifically for thermal transfer printing. The vinyl tape exists in white, yellow, orange, and gray colors with black print and red, green, blue, violet, brown, and black with white print. The tape may be used outdoors and is available in 3/8, 1/2, 3/4 and 1 inch widths.

Applications Colored vinyl tape is typically used for general labeling (patch panels, electrical panels, datacom racks, etc.) and asset labeling.

Agency Certifications UL Recognized 3M File# MH48731
UL Standard# 969 for Marking and Labeling Systems

Typical Properties

Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

Property (Test Method)	Unit	Value	
General (Micrometer) Total thickness	Micron	185 ± 6%	
Adhesive Properties (PSTC-1)	N/25mm	24 Hrs	72 Hrs
To stainless steel		23	25
To glass		23	26
To PVC		24	25
To textured ABS		22	25
To powder coated steel		19	23
To steel computer casing		18	25
To polyethylene		10	10
UV Light Stability of Label 30 days with UV light in Suntester (corresponds with 1year real-life exposure)		No visible effect on print or background. Slight shrinkage of the material.	

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Typical Properties Cont'd

Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

Property (Test Method)	Unit	Value
Chemical Resistance of Text Printed in PL300 (Crockmeter, 900g weight/arm)		
Fuel	30x	No visible effect
Gasoline	30x	No visible effect
Isopropyl Alcohol	30x	No visible effect
Ethanol	30x	No visible effect
Water	30x	No visible effect
Ethylacetate	5x	Printing gone
Abrasion Resistance of Text Printed in PL300 (Crockmeter, 900g weight/arm)		
Pencil Erasure	30x	No visible effect
Polystyrene Pin	30x	No visible effect
Sandpaper	30x	Slight print removal
Temperature Stability		
Application temperature	Above 10 °C	
Service temperature		
30 days in consumer freezer	No visible effect	
30 days @ 90°C (194°F)	Slight discoloration of the background. No visible effect on print.	
5 minutes at 145°C (293°F)	Severe shrinkage of the material. No visible effect on print or background.	
Humidity Resistance of Applied Label 30 days @ 40°C (104°F), 95% R.H.		No visible effect on print or background. Slight shrinkage of the material.

Shelf Life & Storage This product has an 18-month shelf life from date of shipment when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

Availability Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.

Important Notice Before utilizing any of 3M's products, you should determine the suitability of the product for your intended use. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability This product will be free from defects in material and for a period of 30 days from the time of purchase. If this product is defective, your exclusive remedy shall be, at 3M's option, to replace the 3M product or refund the purchase price. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

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