

# DYMO D1 Durable Vinyl (PVC) Tape

## Description

DYMO D1 Durable Vinyl tape is formulated with a permanent acrylic adhesive and a topcoat specifically for thermal transfer printing. Dymo D1 Durable labels are perfect for labeling kitchens, pantries, utility closets, laundry rooms, garages, workshops, sports equipment, outdoor storage, and more. This tape is recommended for indoor and outdoor use and can be used on flat and curved surfaces.

## DYMO Part Numbers

1978364	1978365	1978366	1978367
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## Available Colors & Sizes

Print Color	Tape Color	Available Widths (in, mm)
Black	White	½, 12mm
Black	Orange	½, 12mm
White	Black	½, 12mm
White	Red	½, 12mm

## Certifications and Standards Adherence

- To the best of our company’s knowledge we declare that our products meet the most recent standards of the European Directives considering **REACH** and **ROHS**. None of the substances identified as “substance of concern” has been and will be contained in the product(s), listed on this Technical Data Sheet, to a higher level than mentioned in the European Directives considering REACH and ROHS.

## Physical Properties

- *Total Thickness:* 178 µm +/- 10%
- *Dimensional Stability (%)*:
  - Machine Direction <1.0 observed on an aluminum panel at 70°C (158°F) for 24 hrs.
  - Transmission Direction <1.0 observed on an aluminum panel at 70°C (158°F) for 24 hrs.

## Adhesive Properties (tested per FTM 1 – Modified for 72 hr dwell time)

*Adhesion to Surfaces*

Surface (N/25mm)	72 hrs.	Test Method
Stainless steel	27	FTM-1
Acrylic	31	
Glass	31	

- Tack (ASTM D 2979): 800gm/cm<sup>2</sup>

### Temperature Ratings

Surfaces	Temperature (°C)		Indoor Use	Outdoor Use
	Max	Min		
Acrylonitrile butadiene styrene	80	-40	x	x
Aluminum	80	-40	x	x
EPDM rubber	80	-40	x	x
Galvanized steel	80	-40	x	x
Glass	80	-40	x	x
Nylon – Polyamide	80	-40	x	x
Phenolic – Phenol Formaldehyde	80	-40	x	x
Polycarbonate	80	-40	x	x
Polyester paint	80	-40	x	x
Polyethylene	80	-40	x	x
Polyethylene terephthalate	80	-40	x	x
Polyimide	80	-40	x	x
Polypropylene	80	-40	x	x
Polystyrene	80	-40	x	x
Polyurethane paint	80	-40	x	x
Polyvinyl chloride	80	-40	x	x
Stainless steel	80	-40	x	x

### Chemical Resistance



**Test Method:** Crockmeter, 900g weight/arm

1. Printed with black ribbon:

Chemical	# of rubs	Result with LM160	Result with LM280
Water	30x	No visible effect	No visible effect
Fuel	30x	No visible effect	No visible effect
Isopropyl alcohol	30x	No visible effect	No visible effect
Ethanol	30x	No visible effect	No visible effect
General degreaser	30x	No visible effect	No visible effect
Oil spots remover	30x	No visible effect	Slight print removal
Cleaning soap	30x	No visible effect	No visible effect

2. Printed with white ribbon:

Chemical	# of rubs	Result with LM160	Result with LM280
Water	30x	No visible effect	No visible effect
Fuel	30x	No visible effect	No visible effect
Isopropyl alcohol	30x	No visible effect	No visible effect
Ethanol	30x	Slight print removal	Moderate print removal
General degreaser	30x	No visible effect	No visible effect
Oil spots remover	30x	Printing gone	Printing gone
Cleaning soap	30x	No visible effect	No visible effect

**UV Light Resistance**

UV light stability of:	Time	Result	Test Method
Label	30 days	- No visible effect on text and background - Slight shrinkage of material	Constant UV light exposure in Suntester
Adhesive	30 days	No loss of adhesive properties	

**Humidity Resistance**

- Printed labels adhered to aluminum surface for 30 days at 45°C (113°F), 85% Relative Humidity with no visible effect on text or background; Slight shrinkage of material

### Shelf life of label cassette

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- Two years stored at 21°C (69.8°F) and 50% Relative Humidity

### Notice

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- This product is not developed to be used on humans, animals and/or in direct food contact. It is not recommended to be used in dish-washers.

All of the descriptive information, performance data, and recommendations for the use of DYMO products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is an attempt to assist you and in no event will constitute a warranty of any kind by DYMO or DYMO distributors. All purchasers of DYMO products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased.