

# **Dymo LabelWriter Permanent**

**Revision 6**

**Revision Date: 24/07/2018**

## **Description**

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DYMO LabelWriter Permanent product is a paper label with a high tack permanent adhesive. The product is supplied on a roll in different label formats, for a variety of applications. The labels are printed in the LabelWriter printer range with a thermo-direct printing process, which involves no messy ink ribbons, toner or cartridges. Individual labels or whole rolls can be printed with laser like print quality. This label is recommended for indoor use only. Direct and indirect sunlight as well as high temperatures and humidity must be avoided.

## **Applications**

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Offerings for following applications:

- Address labels
- Shipping labels
- Multipurpose labels
- Files & Binder labels
- CD & DVD labels
- Hanging folder labels
- Name badge labels
- Holiday Season labels

## **Certifications & Standards Adherence**

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REACH & RoHS compliant:

- REACH 1907/2006/EC
- RoHS 2011/65/EC
- RoHS 2015/863/EC Annex II

**Physical Properties**

Thickness		Test Method
TAPE	147 ± 10 Micron	Micrometer
LINER	55 ± 5 Micron	

**Adhesive Properties**

Surface (Unit: N/25mm)	Dwell <sup>1</sup>		Test Method
	20 min	24 hrs.	
to stainless steel	21	21	PSTC-1
to glass	16	21	
to PVC	19	21	
to textured ABS	16	16	
to powder coated steel	20	22	
to wood	7	15	
to polypropylene film matt	6	8	
to polypropylene film glossy	18	21	
to polyethylene	16	17	
to Lever Arch File	6	9	
to steel computer casing	8	13	

**Abrasion Resistance<sup>2</sup>**

Abrasive Object	# of rubs	Result	Test Method
Pencil erasure	30	No visible effect	Crockmeter, 900g weight/arm
Polystyrene pin	30	No visible effect	
Sandpaper	30	Moderate print removal	

<sup>1</sup> Dwell means the contact time between label and substrate.<sup>2</sup> Abrasion resistance: The printed labels are subjected to different scratching sources for a fixed number of cycles with a finger weight of 900g.

**UV Light Resistance**

UV light stability of:	Duration	Result	Test Method
Label	6 months	No visible effect	real life test: protected from direct and indirect sunlight, heat and humidity
Label	6 months	Not legible anymore	real life test: behind window glass (Belgium)

**Temperature Stability*****Application Temperatures***

	°C	°F
Minimum	10	50

***Service Temperatures***

	°C	°F
Range from / to	-40/80	-40/176

Above 80°C/176°F, the paper starts to discolor and will finally turn light grey at 100°C/ 212°F , medium grey at 120°C/ 248°F and dark grey at 150°C/302°F.

**Humidity Resistance**

30 days at 40°C / 104°F, 95% R.H. (on alu panel)	No visible effect
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**Shelf life of label cassette**

1 year at 5°C-25°C / 41°F-77°F and 40-60% relative humidity in its original packaging.  
Avoid exposure to heat, humidity & sunlight.