DYMO LabelWriter Durable label

Description

Direct thermal plastic coated label used for direct thermal printing. It is formulated with a permanent acrylic adhesive and is mainly used for identifying items in environments where high tear and solvent resistance is needed as well as to adhere to slightly curved surfaces. It is not recommended for outdoor usage. This label is halogen free.

DYMO Part Numbers

1933081	DYMO® LW Durable 1" x 3-1/2" (25mm x 89mm)
1933083	DYMO® LW Durable 1" x 1" (25mm x 25mm)
1933084	DYMO® LW Durable 2-1/4" x 1-1/4" (57mm x 32mm)
1933085	DYMO® LW Durable 3/4" x 2-1/2" (19mm x 64mm)
1933086	DYMO® LW Durable 4-1/16" x 6-1/4" (104 x 159mm)
1933087	DYMO® LW Durable 2-5/16" x 7-1/2" (59mm x 190mm)
1933088	DYMO® LW Durable 2-5/16" x 4" (59mm x 102mm)
1976200	DYMO® LW Durable 1" x 3-1/2" (25mm x 89mm) small box
1976411	DYMO® LW Durable 1" x 2-1/8" (25mm x 54mm) small box
1976414	DYMO® LW Durable 2-5/16" x 4" (59mm x 102mm) small box

Available Colors & Sizes

Print Color	**Tape Color**	**Available Widths (in, mm)**
Black	White	See table above

Certifications and & Standards Adherence

- UL Recognized as a component to ***UL969*** (UL File Number MH48389)
  All UL information can be found at UL.com under certifications

- 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:* 164 µ +/- 10%

Adhesive Properties (tested per FTM 1 – Modified for 20 min. & 24 hours dwell time)

Adhesion to Surfaces

Surface (N/25mm)	**20 min.**	**24 hrs.**	**Test Method**
Stainless steel	> 6	> 9	FTM-1

Temperature Ratings (tested per *UL969*)

Application Surface	Max Temp (°C)	Min Temp (°C)	Indoor Use	Outdoor Use
Acrylonitrile butadiene styrene	60	-18	X	-
Aluminum	60	-18	X	-
Galvanized steel	60	-18	X	-
Glass	60	-18	X(dry)	-
Nylon - Polyamide	60	-18	X	-
Phenolic - Phenol Formaldehyde	60	-18	X	-
Polycarbonate	60	-18	X	-
Polyester powder paint	60	-18	X	-
Polyethylene	60	-18	X	-
Polypropylene	60	-18	X	-
Polystyrene	60	-18	X	-
Polyurethane powder paint	60	-18	X	-
Polyvinyl chloride	60	-18	X	-
Stainless steel	60	-18	X	-

Chemical Resistance (printed in LabelWriter 4XL)

Test Method: Crockmeter, 900g weight/arm

Chemical	# rubs	Result
Fuel	30 rubs	No visible defects
Gasoline	30 rubs	No visible defects
Isopropyl alcolhol	30 rubs	No visible defects
Ethanol	30 rubs	No visible defects
Water	30 rubs	No visible defects
*Skydrol LD-4 **	30 rubs	No visible defects
Ethyl acetate	30 rubs	No visible defects
Xylene	30 rubs	No visible defects
Sabesto (brake fluid cleaner)	30 rubs	No visible defects
ULS (cleaning solvent	30 rubs	No visible defects
*EXXSOL 40 (cleaning solvent)***	30 rubs	No visible defects
Acetone	30 rubs	No visible defects
General degreaser	30 rubs	No visible defects
Synthetic thinner	30 rubs	No visible defects
White spirit	30 rubs	No visible defects
Oil spots remover	30 rubs	No visible defects
Cellullose thinner	30 rubs	No visible defects
Workspace degreaser	30 rubs	No visible defects
Hydraulic Fluids	30 rubs	No visible defects
Cutting oils	30 rubs	No visible defects

UV Light Resistance (tested per *UL969*)

UV light stability of:	**Time**	**Result**	**Test Method**
Label	1 week	Faded text	Constant UV light exposure in Suntester, accelerated test
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

Shelf life of label cassette

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

Notice

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

*Skydrol is a registered trademark from Eastman Chemical Company
**Exxsol is a registered trademark from ExxonMobil Chemical

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