DYMO Industrial Permanent Polyester (PET) Tape

Description

Polyester (PET) tape used for thermal transfer printing. It is formulated with a permanent acrylic adhesive and is mainly used for general ID, inventory and warehouse marking, and the marking of connectivity panels. This tape adheres to smooth and rough surfaces, however is not recommended for use on curved or rounded surfaces. This tape is halogen free.

DYMO Part Numbers

1805442	18482	18483	18484	1734523
1805440	18508DMO	622289	622290	1805433
1805441	18485	18486	18487	1805434

Available Colors & Sizes

Print Color	**Tape Color**	**Available Widths (in, mm)**
Black	White	¼, 6mm; ⅜, 9mm; ½, 12mm; ¾, 19mm; 1, 24mm
Black	Clear	¼, 6mm; ⅜, 9mm; ½, 12mm; ¾, 19mm; 1, 24mm
Black	Metallic	¼, 6mm; ⅜, 9mm; ½, 12mm; ¾, 19mm; 1, 24mm

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:* 131 µm +/- 10%
- *Dimensional Stability (%):* No shrinkage observed on an aluminum panel at 70°C (158°F) for 24 hrs.

Adhesive Properties (tested per *UL969*)

Adhesion to Surfaces

Surface (N/25mm)	**72 hrs.**	**Test Method**
ABS	14	FTM-1
Stainless steel	21	
Galvanized steel	17	
PVC	19	
Polycarbonate	20	
Anodized Aluminum	25	
Polystyrene	26	
HDPE	18	
Glass	25	
Polypropylene	25	
Polyethylene Terephthalate	25	
Nylon - polyamide	24	
Polyurethane paint on Aluminum	25	
Polyester paint on Aluminum	26	
PE - cross linked	23	
EPMD rubber	17	
Bare aluminum	25	
LDPE	24	
Polyimide Kapton	16	
Phenolic	21	

- *Tack* (ASTM D 2979): 980*gm/cm²*

Temperature Ratings (tested per *UL969*)

Surfaces	**Temperature (°C)** **Max**	**Min**	**Indoor Use**	**Outdoor Use**
Aluminum	150	-40	x	x
Galvanized steel	150	-40	x	x
Stainless steel	150	-40	x	x
Glass	100	-40	x	x
Nylon - Polyamide	100	-40	x	x
Polyester paint	100	-40	x	x
Polyethylene terephthalate	100	-40	x	x
Polyimide	100	-40	x	x
Polyurethane paint	100	-40	x	x
Acrylonitrile butadiene styrene	80	-40	x	x
Polypropylene	80	-40	x	x

EPDM rubber	60	-40	x	x
Phenolic - Phenol Formaldehyde	60	-40	x	x
Polycarbonate	60	-40	x	x
Polyethylene	60	-40	x	x
Polystyrene	60	-40	x	x
Polyvinyl chloride	60	-40	x	x

Chemical Resistance (Printed with the Rhino 6000)

Chemical	# of rubs	Result	Test Method
Fuel	30x	Slight print removal	Crockmeter, 900g weight/arm
Gasoline	30x	No visible effect	
Isopropyl alcohol	30x	No visible effect	
Ethanol	30x	Slight print removal	
Water	30x	No visible effect	
Skydrol* LD-4	30x	Moderate print removal	
Ethyl acetate	5x	Printing gone	
Papanicolau og. 6	30x	No visible effect	
Hematoxylin (stain)	30x	No visible effect	
Xylene	30x	Printing gone	

Abrasion Resistance (Printed with the Rhino 6000)

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

UV Light Resistance

UV light stability of:	Time	Result	Test Method
Label	30 days	No visible effect on text and background	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

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 Solutia

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