DYMO XTL Industrial Vinyl (PVC) Tape

Description

DYMO Industrial Vinyl tape is formulated with a permanent acrylic adhesive and a topcoat specifically for thermal transfer printing. Vinyl tape is mainly used for general ID, electrical panels, asset labeling, visual workplace, pipe marking and 5S labeling. This tape is recommended for indoor and outdoor use and can be used on curved or flat surfaces. This tape is halogen free.

DYMO Part Numbers

1868741	1868749	1868757	1868765	1868773	1868781	1868789	1868797	1868805
1868742	1868750	1868758	1868766	1868774	1868782	1868790	1868798	
1868743	1868751	1868759	1868767	1868775	1868783	1868791	1868799	
1868744	1868752	1868760	1868768	1868776	1868784	1868792	1868800	
1868745	1868753	1868761	1868769	1868777	1868785	1868793	1868801	
1868746	1868754	1868762	1868770	1868778	1868786	1868794	1868802	
1868747	1868755	1868763	1868771	1868779	1868787	1868795	1868803	
1868748	1868756	1868764	1868772	1868780	1868788	1868796	1868804	

Available Colors & Sizes

Print Color	**Tape Color**	**Available Widths** (in, mm)
Black	White	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
Black	Yellow	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
Black	Orange	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
Black	Clear	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
Black	Gray	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
White	Black	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
White	Red	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
White	Green	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
White	Blue	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
White	Purple	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
White	Brown	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm
Red	Clear	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm

Red	White	½, 12mm; ¾, 19mm; 1, 24mm, 1.5, 41mm; 2, 54 mm

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:* 178 µm +/- 10%
- *Dimensional Stability (%):*
  - MD <1.0 observed on an aluminum panel at 70°C (158°F) for 24 hrs.
  - TD <1.0 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	24	FTM-1
Stainless steel	29	
Galvanized steel	29	
PVC	27	
Polycarbonate	28	
Anodized aluminum	41	
Polystyrene	36	
HDPE	17	
Glass	36	
Polypropylene	34	
Polyethylene Terephthalate	35	
Nylon - polyamide	38	
Polyurethane paint on Aluminum	39	
Polyester paint on Aluminum	40	
PE - cross linked	12	
EPMD rubber	38	
Bare aluminum	39	
LDPE	11	
Polyimide Kapton	36	
Phenolic	37	

- *Tack* (ASTM D 2979): 800*gm/cm²*

Temperature Ratings (tested per *UL969*)

Surfaces	Temperature (°C) Max	Min	Indoor Use	Outdoor Use
Galvanized Steel	60	-40	x	--
Stainless Steel	60	-40	x	--
ABS	60	-40	x	--
Polycarbonate	60	-40	x	--
PVC	60	-40	x	--

Chemical Resistance (Printed with black ribbon on the Rhino 6000)

Chemical	# of rubs	Result	Test Method
Fuel	30x	No visible effect	Crockmeter, 900g weight/arm
Gasoline	30x	No visible effect	
Isopropyl alcohol	30x	No visible effect	
Ethanol	30x	No visible effect	
Water	30x	No visible effect	
Skydrol* LD-4	30x	Slight 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	Slight print removal	

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

- 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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