

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.

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
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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 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/cm²

Temperature Ratings (tested per UL969)

Surfaces	Temperature (°C)		Indoor Use	Outdoor Use
	Max	Min		
Acrylonitrile butadiene styrene	60	-40	x	x
Aluminum	60	-40	x	x
EPDM rubber	60	-40	x	x
Galvanized steel	60	-40	x	x
Glass	60	-40	x	x
Nylon – Polyamide	60	-40	x	x
Phenolic – Phenol Formaldehyde	60	-40	x	x
Polycarbonate	60	-40	x	x
Polyester paint	60	-40	x	x

Polyethylene	60	-40	x	x
Polyethylene terephthalate	60	-40	x	x
Polyimide	60	-40	x	x
Polypropylene	60	-40	x	x
Polystyrene	60	-40	x	x
Polyurethane paint	60	-40	x	x
Polyvinyl chloride	60	-40	x	x
Stainless steel	60	-40	x	x

Chemical Resistance (printed with XTL 300 / XTL 500)

Test Method: Crockmeter, 900g weight/arm

1. Printed with black ribbon:

Chemical	# of rubs	Result with XTL 300	Result with XTL 500
Fuel	30x	slight print removal	moderate print removal
Gasoline	30x	no visible effect	no visible effect
Isopropyl alcohol	30x	no visible effect	no visible effect
Ethanol	30x	no visible effect	no visible effect
Ethyl acetate	5x	printing gone	printing gone
Skydrol* LD-4	30x	slight print removal	slight print removal
EXXSOL 40 (cleaning solvent)	30x	slight print removal	slight print removal
ULS (cleaning solvent)	30x	slight print removal	slight print removal
Acetone	5x	printing gone	printing gone
Water	30x	no visible effect	no visible effect
General degreaser	30x	slight print removal	slight print removal
Synthetic thinner	20x	printing gone	printing gone
White Spirit	30x	slight print removal	slight print removal
Oil spots remover	30x	slight print removal	slight print removal
Cellulose thinner	5x	printing gone	printing gone
Calgonit	30x	no visible effect	no visible effect
Workspace degreaser	30x	severe print removal	moderate print removal

2. Printed with white ribbon:

Chemical	# of rubs	Result with XTL 300	Result with XTL 500
Fuel	30x	no visible effect	no visible effect
Gasoline	30x	no visible effect	no visible effect
Isopropyl alcohol	30x	no visible effect	no visible effect

Ethanol	30x	no visible effect	no visible effect
Ethyl acetate	5x	printing gone	printing gone
Skydrol* LD-4	30x	severe print removal	moderate print removal
EXXSOL 40 (cleaning solvent)	30x	no visible effect	no visible effect
ULS (cleaning solvent)	30x	slight print removal	slight print removal
Acetone	5x	printing gone	printing gone
Water	30x	no visible effect	no visible effect
General degreaser	30x	no visible effect	no visible effect
Synthetic thinner	5x	printing gone	printing gone
White Spirit	30x	no visible effect	no visible effect
Oil spots remover	15x	printing gone	printing gone
Cellulose thinner	5x	printing gone	printing gone
Calgonit	30x	no visible effect	no visible effect
Workspace degreaser	20x	printing gone	slight print removal

UV Light Resistance (tested per UL969)

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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