

XTL Permanent Flat Surface

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

1868735	1868736
1868737	1868738
1868739	1868740

Available Colors & Sizes

Print Color	Tape Color	Available Widths (in, mm)
Black	White	¼", 6mm; 3/8", 9mm; ½", 12mm;
Black	Clear	¼", 6mm; 3/8", 9mm; ½", 12mm;

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 FTM 1 – Modified for 72 hr dwell time)

Adhesion to Surfaces

Surface (N/25mm)	72 hrs.	Test Method
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Stainless steel	26	FTM-1
Polypropylene	30	
Glass	26	
Automotive Paint	30	
PBT	31	

- Tack (ASTM D 2979): 980gm/cm²

Temperature Ratings (tested per UL969)

Surfaces	Temperature (°C)		Indoor Use	Outdoor Use
	Max	Min		
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 XTL 300 / XTL 500)

Test Method: Crockmeter, 900g weight/arm

Chemical	# of rubs	Result with XTL 300	Result with XTL 500
Fuel	30x	moderate print removal	slight print removal
Gasoline	30x	moderate print removal	slight print removal
Isopropyl alcohol	30x	moderate print removal	slight print removal
Ethanol	30x	no visible effect	slight print removal
Ethyl acetate	5x	printing gone	printing gone
Skydrol* LD-4	30x	moderate print removal	moderate print removal

EXXSOL 40 (cleaning solvent)	30x	slight print removal	severe print removal
ULS (cleaning solvent)	30x	severe print removal	severe print removal
Acetone	5x	printing gone	printing gone
Water	30x	no visible effect	no visible effect
General degreaser	30x	moderate print removal	moderate print removal
Synthetic thinner	10x	printing gone	printing gone
White Spirit	30x	moderate print removal	severe 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	severe 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	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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