

XTL Pre-Sized Safety/RTK Labels

Description

This is a flexible top-coated thermal transfer printable white vinyl film coated with a permanent pressure sensitive acrylic adhesive.

DYMO Part Numbers

1868713	1868714
1868715	1868716

Available Colors & Sizes

Print Color	Tape Color	Available Widths (in, mm)
Black	White w/Orange Header White w/Yellow Header White w/Blue Header (NOTICE) White w/Read Header (DANGER)	4", 102mm

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:* 157 µm +/- 10%
- *Thickness face material:* 80 µm +/- 10%
- *Dimensional Stability (%):*
 - MD: 0.75 observed on an aluminum panel at 70°C (158°F) for 24 hrs.
 - TD: 0.75 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	21	FTM-1
Acrylic	21	
Glass	20	

- Tack (ASTM D 2979): 470gm/cm²

Temperature Stability (tested per UL969)

Surfaces	Temperature (°C)		Indoor Use	Outdoor Use
	Max	Min		
Acrylic paint	60	-40	x (dry)	-
Acrylonitrile butadiene styrene	60	-40	x (dry)	-
Alkyd paint	60	-40	x (dry)	-
Galvanized steel	60	-40	x (dry)	-
Nylon – Polyamide	60	-40	x (dry)	-
Polyethylene terephthalate	60	-40	x (dry)	-
Polypropylene	60	-40	x (dry)	-
Polyvinyl chloride	60	-40	x (dry)	-
Stainless steel	60	-40	x (dry)	-

Chemical Resistance (Printed with XTL500, tested on orange header)

Chemical	# of rubs	Result	Test Method
Fuel	30x	Slight print removal	Crockmeter, 900g weight/arm
Gasoline	30x	Slight print removal	
Isopropyl alcohol	15x	Printing gone	
Ethanol	10x	Printing gone	
Water	30x	No visible effect	
Skydrol* LD-4	20x	Printing gone	
Ethyl acetate	5x	Printing gone	
White spirit	30x	Slight print removal	
General degreaser	5 x	Printing gone	
Acetone	5x	Printing gone	
Cellulose thinner	5x	Printing gone	
Synthetic thinner	5x	Severe print removal	
Oil spots remover	30x	Moderate print removal	
Workspace degreaser	5 x	Printing gone	

Chemical Resistance (Printed with XTL500, tested on white part of the label)

Chemical	# of rubs	Result	Test Method
Fuel	30x	Slight print removal	Crockmeter, 900g weight/arm
Gasoline	30x	Slight print removal	
Isopropyl alcohol	20x	Printing gone	
Ethanol	10x	Printing gone	
Water	30x	No visible effect	
Skydrol* LD-4	20x	Printing gone	
Ethyl acetate	5x	Printing gone	
White spirit	30x	Slight print removal	
General degreaser	5x	Printing gone	
Acetone	5x	Printing gone	
Cellulose thinner	5x	Printing gone	
Synthetic thinner	5x	Severe print removal	
Oil spots remover	30x	Moderate print removal	
Workspace degreaser	5 x	Printing gone	

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; no loss of wrapping properties

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 (hydraulic engine oil)

** Sabesto is a registered trademark from Wurth (brake fluid cleaner)

*** Exxsol D40 is a registered trademark from ExxonMobil Chemicals (de aromatized hydrocarbon fluids)

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