*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](http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm) 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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