DYMO Industrial Flexible Nylon Tape

Description

Nylon coated fabric tape used for thermal transfer printing. It is formulated with a permanent acrylic adhesive and is mainly used for identifying electrical cables and wires (flagging and wrapping) as well as to adhere to curved surfaces. It is not recommended for outdoor usage. This tape is halogen free.

DYMO Part Numbers

18488	18489	1734524
18489	18491	1734525

Available Colors & Sizes

Print Color	**Tape Color**	**Available Widths** (in, mm)
Black	White	½, 12mm; ¾, 19mm; 1, 24mm
Black	Yellow	½, 12mm; ¾, 19mm; 1, 24mm

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:* 230 ± 10%
- *Dimensional Stability (%):* No shrinkage 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	5	FTM-1
Stainless steel	6	

Galvanized steel	6	
PVC	6	
Polycarbonate	6	
Polypropylene	8	
Polyethylene Terephthalate	8	
Nylon - polyamide	7	
EPMD rubber	9	
Polyimide Kapton	6	

- *Tack* (ASTM D 2979): 980*gm/cm²*

Temperature Ratings (tested per *UL969*)

Surfaces	Temperature (°C) Max	Min#	Indoor Use	Outdoor Use
EPDM Rubber	60	-40	x	--

Chemical Resistance (Printed with the Rhino 6000)

Chemical	# of rubs	Result	Test Method
Fuel	30x	Severe print removal	Crockmeter, 900g weight/arm
Gasoline	30x	Moderate print removal	
Isopropyl alcohol	30x	Printing gone	
Ethanol	30x	Printing gone	
Water	30x	Slight print removal	
Skydrol* LD-4#	30x	Printing gone	
Ethyl acetate	5x	Printing gone	
Papanicolau og. 6	30x	Printing gone; stained orange	
Hematoxylin (stain)	30x	Printing gone; stained purple	
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	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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