Nylon Cloth Label

PRODUCT SPECIFICATIONS:

Description:

Print Technology	Thermal Transfer
Material	Nylon cloth
Adhesive	Acrylic
Colors	White
Finish	Matte
Print Operating Range*1	From 10 to 30°C and from 30 to 80%RH
Minimum Application Temperature	50°F (10°C)
Storage Condition	Store at room temperature (approx. 70°F(21°C))

*1: Print on a tape under this condition.

Applied SKU

SKU	Width
212NYLBWPX	11.82 +/- 0.38mm
218NYLBWPX	17.82 +/- 0.38mm
224NYLBWPX	23.82 +/- 0.38mm

Thickness: 0.22 +/- 0.03 mm

APPLICATIONS

This Nylon Cloth material is suitable for labeling on wires/cables and general applications.

REGULATORY/AGENCY APPROVALS

RoHS: Epson Nylon cloth label material is compliant to RoHS Standards to Directive (2011/65/ EU Annex II) with amendment (EU)2015/863.

PROPERTIES

Properties	Test method	Average result
Peel Adhesion to Stainless Steel	PSTC-101, 20 min. dwell	25 oz/inch width (708.7/25.4mm) minimum
Shear Adhesion	PSTC-107, modified procedure A	24 hours minimum
Tensile Strength	PSTC-131	MD: 80 +/- 8.0 lbs./inch (36,287.4 +/-3,628.7g/25.4mm)

		minimum
Elongation	PSTC-131	MD: 80% +/- 10%
UV Resistance	ASTM G154	*3,000 hours no change observed
Elevated Temperature Exposure	N/A	After 8 hours at 150°F(65.5°C) there was no deterioration of the substrate
Abrasion Resistance	50 cycles on 500gf pressure by Japanese 10 Yen copper coin	Slightly getting black after 5 cycles. No visible change until 50 cycles.
	100 cycles on 500gf pressure by a cotton swab soaked in ethyl alcohol.	Printed text disappears after 3 cycles
	50 cycles on 2kgf pressure by plastic eraser.	No visible effect
	Apply scotch tape on the printed surface, rub it with 2.0 kgf, and then remove the tape.	Peeling very small portion

*3000 hours equate to 5 years of assimilated outdoor UV exposure.

CHEMICAL/ SOLVENT RESISTANCE

Test method

The printed labels were immersed in the following solvents for 5 immersions using the following cycle: a 10-minute immersion time followed by a 30-minute recovery time. After the final immersion the samples were rubbed 10 times with a lint free gauze. Visual observations were noted for any smear or loss of legibility.

Chemical reagent	**Visual Observation White Nylon Cloth**	
	Substrate / Adhesive	**Thermal Transfer Print**
Distilled Water	No effect	No effect
Mineral Spirits	Slight adhesive bleed	Loss in print density
ASTM #3 Oil	Slight adhesive bleed	No effect
Isopropyl Alcohol	Slight adhesive bleed	Loss of print legibility
Methanol	Slight adhesive bleed	Loss of print legibility
3% Alconox Detergent	No effect	No effect
10% Sodium Hydroxide Solution	Slight adhesive bleed	Loss of print legibility
10% Sulfuric Acid Solution	No effect	No effect

5% Sodium Chloride Solution	No effect	No effect
Super Agitene	Significant adhesive bleed	No effect
Jet-A Fuel	Significant adhesive bleed	No effect
SAE 30 Motor Oil	No effect	No effect

Note:
All features and specifications described are subject to change without notice. Other companies or product names used herein are also trademarks or registered trademarks of their respective owners.

Product availability may vary by country. Please refer to your local Epson office for full details.

Note that the information about the characteristics, such as numeric values, described in this document are the evaluation results for information only, not for guarantees.