

CTPL - CABLE TRAY & PIPE ADHESIVE LABELS

Cable tray and pipe labels are made from opaque high performance cast vinyl films. This premium quality, flexible, opaque solid color, high gloss, thin, vinyl film is designed for use on cable tray, piping, architectural, transportation, and general signage. The opaque films offer exceptional value for applications requiring high quality gloss and color films with extended durability.

These cable tray and pipe labels are available in 1", 2", 3", and 4" widths, all on 150' continuous rolls and are rated for 9 years outdoor, when applied properly. These labels adhere to many surfaces – flat, rivets and corrugation, and compound curves. This material is resistant to most mild acids, alkalis and salt solution.

FEATURES

- 1", 2", 3" and 4" widths
- 150' continuous
- Indoor & Outdoor – 8/10 years*
- Service Temperature Range: -40° to 180° F

COLORS

White (WE) Yellow (YW) Orange (OE) Blue (BE)
 Black (BK) Green (GN) Brown (BN)
 Clear (CR) Red (RD) Pink (PK)
 Other colors available upon request



PRINTER AND RIBBONS

AWMS-345c Plus, Thermal Transfer
 (Printer with cutter)

- 144856-BK Black Resin Ribbon
- 1330-3300-WE White Resin Ribbon
- 1330-3300-RD Red Resin Ribbon
- 1330-3300-BE Blue Resin Ribbon

Part Number	Label Size
CTPL - 1-**	1" W x 150' L
CTPL - 2-**	2" W x 150' L
CTPL - 3-**	3" W x 150' L
CTPL - 4-**	4" W x 150' L

*Black/White - 10 yr | Colors - 8 yr

** Color Code - See colors above

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Technical Data

ADDITIONAL FEATURES

- Permanent Acrylic Adhesive
- Excellent UV, temperature, humidity and salt spray performance
- High-gloss finish
- Outstanding durability and color fastness
- Superior conformability for complex, curved surfaces

PHYSICAL CHARACTERISTICS

Property	Value
Caliper, face	2.0 mil (50 microns)
Caliper, adhesive	1.0 mil (25 microns)
Dimensional stability	<0.015" (0.4 microns)
Tensile at Yield	4.0-8.0 lb/in
Elongation	150% min.
Gloss	90%
Adhesion: 15 min.	3.0 lbs/in
Adhesion: 24hr.	3.5 lbs/in
Flammability	Self Extinguishing (Class 1 or A rating)
Min. Application Temperature	40° F
Service Temperature	-40° to 180° F

Chemical Resistance

Resistant to most mild acids, alkalis, and salt solutions

DIMENSIONAL STABILITY

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

ADHESION

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

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FLAMMABILITY

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

TEMPERATURE RANGE

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

CHEMICAL RESISTANCE

All chemical tests are conducted with test panels to which a specimen has been applied for 72 hours, after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

ACCELERATED AGING

No negative impact on films performance, wherein the color is within industry standards for Delta Σ shift. Material is applied to panels, and placed in a Xenon Arc Artificial Weatherometer, and exposed under conditions of SAE J1960, for 2000 hours. Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

ABSENSE OF BANNED SUBSTANCES

Absence of banned substances:

Films meet the following European Directives:

EU Directive 94/62 on packaging and packaging waste Article 11 : Max. sum of concentration levels of lead, cadmium, mercury and hexavalent chromium: < 100 ppm.

EU Directive 2002/96/EC on restrictions of use of hazardous substances in electrical and electronic equipment Article 4.1: no contents of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenylethers (PBDE).

EU Directive 2000/53/EC on end-of life of vehicles article 4.2.(a) : no contents of lead, mercury, cadmium or hexavalent chromium.





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Technical Data - Pink

PHYSICAL CHARACTERISTICS

Property	Value
Thickness	2-mil
Dimensional Stability	Adhered to steel, no shrinkage in cross direction; In length, <.006"
Temperature Resistance	Adhered to aluminum, -58°F to +230°F, no variation
Fire Behavior (DIN 75200) Fire Rating	Adhered to steel, self-extinguishing Meets ASTM E 84-07 Class "A"
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 4.1 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 19 MPa Across: Min. 19 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 120% Across: Min. 120%
Seawaterability (DIN 50 021).	Adhered to aluminum, after 100h/73°F, no variation
Minimum Life Expectancy	Outdoors - 7 years
Min. Application Temperature	46°F (dry application)





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