

PRODUCT CHARACTERISTIC SHEET and COC

PLEASE READ BEFORE USING!

Material: 2 mil. POLYESTER LAMINATE

Part Nos: PY213120C

General Description: Clear, high gloss polyester with a crystal clear, pressure sensitive, permanent adhesive on a clear film liner. Used for protective overlaminating and a high gloss "wet look." This is a dimensionally stable film that displays no shrinking.

Thickness: 2 mil. polyester, plus 1 mil of adhesive.

Outdoor Life: 2 years

Shelf Life: 2 years stored at 70° F & 50%RH

Service Temperature Range: (-40° F to 302° F) (-40°C to 150°C)

Minimum Application Temp.: 50° F

Adhesive Properties:

High performance, permanent solvent-based acrylic pressure sensitive adhesive formulated for overlaminating thermal and solvent printed markings. It is likely to be compatible with other formats of printing also.

Tests performed | results:

| Ultimate Peel from | Average OZ/IN | Test Method |
|--|---------------|---|
| Acrylic | 52 | ASTM D 903 (Modified for 72 hour dwell time) |
| Glass | 36 | |
| Polypropylene | 4 | |
| Stainless Steel | 45 | |
| | | |
| | | |
| | | |
| | | |
| Expected Shear Room Temp (hours) | 100+ | ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load |
| Tack (gm/sq cm) | 630 | ASTM D 2979 |

CERTIFICATE OF CONFORMANCE (COC)

| | | | |
|------------------|-------------------------|---------------------|-----------------|
| Sold to: | | Lot No.: | |
| Buyer: | | PO# | |
| Supplier: | Graphic Marking Systems | MFR Part No: | Top of the page |
| MFR Date: | | Ship Date: | |
| | | Title: | |
| | | Date: | |

Recommended Application Techniques:

Laminate with a cold pressure sensitive laminator, not by hand. Separate from backing with a knife or razor blade and fold a corner under for easier handling.

GSP Software Settings:

A little additional cutting pressure may be needed after laminating.

USE A 45° blade or 60° BLADE on any combination of material 8 mil or thicker.

Disclaimer:

All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Although this material can be printed on with some solvent based printers, the surface characteristics of the material can change from roll to roll, and failure of optimal printing results are not a basis for returning the product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0618 Graphic Marking Systems

Material Safety Data Sheet (MSDS)

Material Name: 2 mil. POLYESTER LAMINATE

Part Nos: PY213120C

Date Prepared: 6/21/2018

General Description: Clear, high gloss polyester with a crystal clear, pressure sensitive, permanent adhesive on a clear film liner.

Company:

Graphic Marking Systems

Address: 28457 N. Ballard Rd., Suite A1
Lake Forest, IL 60045

Phone: 847-582-9276

Fax: 847-582-9282

Composition and information on ingredients:

Individual components of this product do not contribute to any known hazards.

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE

UL Recognized:

NO

ROHS Compliant:

YES

REACH Compliant:

YES

Hazards Identification:

POTENTIAL HEALTH EFFECTS: None

ACUTE: No significant toxic hazard. When burned may produce toxic fumes.

CHRONIC: No significant toxic hazard.

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

First Aid Measures:

Emergency and First Aid Procedures:

ROUTES OF ENTRY:

Inhalation: N/A Skin: N/A

Eyes: N/A Ingestion: N/A

Accidental Release Measures: N/A

Handling and Storage:

No special handling required other than storing away from excessive heat sources.

Exposure Controls and Personal Protection:

Respiratory Protection: None required

Skin Protection: No precautions required

Eye Protection: None required

Exposure Guidelines: None established

Engineering Controls: None required

Toxicological Information:

Carcinogen Status: NTP: NONE IARC: NONE OSHA: NONE

Ecological Information: No Data Available

Transport Information:

TRANSPORTATION AND HAZARDOUS MATERIALS
DESCRIPTION: Not a hazardous material for DOT shipping.

Disposal Considerations: Waste Disposal:

Dispose of in accordance with Local, State and Federal regulations.

Other Information:

The information contained herein is based on the data available to Graphic Marking Systems, and is believed to be correct. However, Graphic Marking Systems makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Graphic Marking Systems assumes no responsibility for injury from the use of the product described herein.

Fire Fighting Measures:

Flash Point: N/A

Method Used: N/A

Auto-ignition Temperature: N/A

Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A

Extinguishing Media: Multi-rated ABC extinguisher or water

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.

Physical and Chemical properties:

Vapor Pressure (mm Hg): N/A Boiling Point: N/A

Vapor Density (air = 1): N/A Melting Point: N/A

Appearance and odor: N/A Reactivity of water: N/A

Specific Gravity (H 0=1): N/A Solubility in water: N/A

Stability and Reactivity:

Stability: N/A

Conditions to avoid: Fire or Excessive Heat

Incompatibility: None

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

Regulatory Information:

OSHA STANDARD CFR 29, PART 1910.1200: This product is considered to be an "article" under this standard.

SARA 313 INFORMATION: This product contains no substances at or above the reporting threshold subject to the reporting requirement of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 371, based on available data.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. **Warning** this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. This product contains up to 0.03% Ethyl Acrylate in the adhesive.