

PRODUCT CHARACTERISTIC SHEET and COC

PLEASE READ BEFORE USING!

Material: HIGH-BOND POLYESTERS

Part Nos: PY781550 (C,W,S,MS,BS) These letters designate the color of the part no. starting with PY78. See general description below.

General Description: 2 mil. Clear, White, Shiny Silver, Matte Silver, and Brushed Silver High-Bond polyesters have an aggressive clear, pressure sensitive permanent adhesive that is rated for application to surfaces down to 32° F. The liner is a lay-flat moisture resistant liner formulated for the Gerber Printers and works well for positioning tabs. The adhesive is well suited for powder-paint coated surfaces and low energy plastics as well as most other surfaces. It accepts a wide variety of pressure sensitive laminates such as polycarbonate, polyester, Tuff Cover, and vinyl. Shiny Silver, matte, and brushed are metallized, but not conductive.

Thickness: 2 mil. polyester with 1mil. of adhesive.

Outdoor Life: 2 years

Shelf Life: 2 years after processing, stored at 70 F & 50%RH

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

Minimum Application Temp.: 32° F

Adhesive Properties:

Aggressive, high performance, permanent solvent-based acrylic adhesive, especially suited for LSE surfaces such as plastic and powder paint.

Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method
Acrylic	110	ASTM D 903 (Modified for 72 hour dwell time)
Aluminum	86	
Glass	78	
Polyethylene	40	
Polypropylene	38	
Powder Paint	108	
Stainless Steel	60	
Expected Shear Room Temp (hours)	5	ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
Tack (gm/sq cm)	760	ASTM D 2979

The above tests were performed on three or fewer production runs. Therefore the results are for guidance only, and should not be used for setting specifications.

CERTIFICATE OF CONFORMANCE (COC)

Sold to:		Lot No.:	
Buyer:		PO#	
Supplier:	Graphic Marking Systems	Supplier's Authorized Rep.:	<i>Demas Garcia</i>
MFR Part No:		Top of the page	
MFR Date:		Title:	Converting Manager
		Date:	

Recommended Application Techniques:

Polyesters are dimensionally stable and will not stretch. Polyester naturally lays flat. Therefore they work best on flat or larger cylindrical surfaces. They do not work well on complex curved surfaces, rivets, and may not work on small (less than .75" diameter) cylindrical surfaces.

GSP Software Settings:

In Gerber's Plot program, under the "1234" button, set your material type for Gerber's "220", or if more heat is needed, set it for "2 mil label stock." When using Duracoat or other third-party ribbons, if you experience any "feathering" of edges or other undesirable finish, try using the "220" or "Imagecal P" settings. This will also work with Gerber ribbons if you are using a combination of different brand ribbons.

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. GMS0818 Graphic Marking Systems

Material Safety Data Sheet (MSDS)

Material Name: HIGH-BOND POLYESTERS

Part Nos: PY781550 C,W,S,MS,BS

Date Prepared: 8/22/2018

General Description: Clear or opaque polyester with a clear permanent acrylic adhesive.

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 Rec. File No.

MH28890

3TG Compliant:

YES

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.

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.

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

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 0.3% Toluene in the adhesive.

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.