

# PRODUCT CHARACTERISTIC SHEET and COC

## **PLEASE READ BEFORE USING!**



**Material: HIGH-BOND POLYESTERS - For thermal, latex, and uv inks. White is**

**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 lay-flat and moisture resistant formulated for Gerber and wide format printers and works well for positioning tabs. The adhesive is well suited for powder-paint 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.



UL recognition has been obtained for White High-Bond polyester with the Gerber GCS spot colors with and without Wet-Look 1 mil polyester laminate, both for the U.S and Canada. The HP 873 Series Latex inks are also recognized when laminated\* with Wet-Look 1 mil polyester laminate. \*Latex ink does not pass the rub test without the Wet-Look laminate. More information may be found by downloading the UL recognition file MH28890.

Thickness:	2 mil. polyester with 1mil. of adhesive.	<b>Adhesive Properties:</b> Aggressive, high performance, permanent solvent-based acrylic adhesive, suited for most surfaces including raw and painted metals, and LSE surfaces such as plastic and powder paint.
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	

### 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	
<b>Expected Shear</b> Room Temp (hours)	5	
<b>Tack</b> (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's Authorized Rep.:	<i>Demas Garcia</i>
Supplier:	Graphic Marking Systems	MFR Part No:	Top of the page	Title:	Converting Manager
MFR Date:				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 want to lay flat on small (less than .75" diameter) cylindrical surfaces.

### GSP Software Settings:

When printing with the Gerber Edge: In Omega set your material type for Gerber's "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 "Lighter" setting in "Print Options" 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. GMS0524 Graphic Marking Systems

# Material Safety Data Sheet (MSDS)

<b>Material Name: HIGH-BOND POLYESTERS</b>		<b>Company:</b>	
<b>Part Nos: PY781550 C,W,S,MS,BS</b>		Graphic Marking Systems	
Date Prepared:		Address: 28457 N. Ballard Rd., Suite A1	
<b>General Description:</b> Clear or opaque polyester with a clear permanent acrylic adhesive. White is UL recognized with and without Wet-Look 1 mil laminate.		Lake Forest, IL 60045	
		Phone: 847-582-9276	
		Fax: 847-582-9282	
<b>Composition and information on ingredients:</b>		<b>3TG Compliant:</b> YES	
Individual components of this product do not contribute to any known hazards.		<b>Mil Spec MIL-DTL-43719 Type 1 Class 1</b>	
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): NONE		<b>ROHS Compliant:</b> YES	
		<b>REACH Compliant:</b> YES	
<b>Hazards Identification:</b>			
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.			
<b>First Aid Measures:</b>		<b>Fire Fighting Measures:</b>	
Emergency and First Aid Procedures:		Flash Point: N/A	
<b>ROUTES OF ENTRY:</b>		Method Used: N/A	
Inhalation: N/A      Skin: N/A		Auto-ignition Temperature: N/A	
Eyes: N/A      Ingestion: N/A		Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A	
<b>Accidental Release Measures:</b> N/A		Extinguishing Media: Multi-rated ABC extinguisher or water	
<b>Handling and Storage:</b>		Unusual Fire and Explosion Hazards: None	
No special handling required other than storing away from excessive heat sources.		<b>Special Fire Fighting Procedures:</b> In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.	
<b>Exposure Controls and Personal Protection:</b>		<b>Physical and Chemical properties:</b>	
Respiratory Protection: None required		Vapor Pressure (mm Hg): N/A      Boiling Point: N/A	
Skin Protection: No precautions required		Vapor Density (air = 1): N/A      Melting Point: N/A	
Eye Protection: None required		Appearance and odor: N/A      Reactivity of water: N/A	
Exposure Guidelines: None established		Specific Gravity (H 0=1): N/A      Solubility in water: N/A	
Engineering Controls: None required		<b>Stability and Reactivity:</b>	
<b>Toxicological Information:</b>		Stability: N/A	
Carcinogen Status: NTP: NONE    IARC: NONE    OSHA: NONE		Conditions to avoid: Fire or Excessive Heat	
<b>Ecological Information:</b> No Data Available		Incompatibility: None	
<b>Transport Information:</b>		Hazardous Decomposition Products: None	
TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION: Not a hazardous material for DOT shipping.		Hazardous Polymerization: Will not occur.	
<b>Disposal Considerations:</b> Waste Disposal:		<b>Regulatory Information:</b>	
Dispose of in accordance with Local, State and Federal regulations.		<b>OSHA STANDARD CFR 29, PART 1910.1200:</b> This product is considered to be an "article" under this standard.	
<b>Other Information:</b>		<b>SARA 313 INFORMATION:</b> 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.	
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.		<b>CALIFORNIA PROPOSITION 65:</b> The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains up to 0.1% Toluene in the adhesive. This is below the Prop 65 threshold.	