

# PRODUCT CHARACTERISTIC SHEET and COC

**PLEASE READ BEFORE USING!**

**Material: Plastick™ Digital Print Vinyl**

**Part Nos: PK41550W, PK42050W, PK43050W, PK45450W**

**General Description:** White, soft, flexible vinyl with a clear extremely aggressive permanent adhesive suited for hard-to-stick-to surfaces including Thermoplastic Olefin. PlaStick is suited for solvent ink jet printing and thermal printing.

Thickness:	3 mil vinyl with 1.4 mil. of adhesive.	<b>Adhesive Properties:</b> 1.4 mils. of permanent acrylic pressure sensitive adhesive works for most surfaces including textured low energy plastic and metal surfaces
Outdoor Life:	2 years	
Shelf Life:	2 years stored at 70 F & 50%RH	
Service Temperature Range:	(-40° F to 176° F)	
Minimum Application Temp.:	50° F	

**Tests performed | results:**

Ultimate Peel from	Average OZ/IN	Test Method	
Acrylic	108	ASTM D 903 (Modified for 72 hour dwell time)	
Glass	106		
Polypropylene	71		
Stainless Steel	113		
<b>Expected Shear</b> Room Temp (hours)	40	ASTM D 3654 Method A	a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
<b>Tack (gm/sq cm)</b>	1200	ASTM D 2979	

**CERTIFICATE OF CONFORMANCE (COC)**

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

**Recommended Application Techniques:**

Plastick is ideal for LSE applications such as pelican cases and motorsport vehicles. When applying to surfaces such as plastics, clean the plastic with alcohol or acetone to remove any "silicone" mould residue from the plastic. Due to the aggressiveness of the adhesive, wet application techniques may be preferred. If you are laminating with Pro-Shield™ laminate, use the aid of a heat gun to get the finished graphic to conform to complex curved shapes. PlaStick vinyl may not remove cleanly from surfaces.

**GSP Software Settings:**

In Gerber's Plot program, click on the "123" button then on the substitute button and select vinyl. Gerber Label Stock 2 mil or Gerber ImageCal from the pull-down menu as the vinyl to print on. If you are using laminates on top of the base material, you will have to determine the best cutter settings by test cutting the finished construction.

**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)

<b>Material Name:</b> Plastick™ Digital Print Vinyl	<b>Company:</b> Graphic Marking Systems
<b>Part Nos:</b> PK41550W, PK42050W, PK43050W, PK45450W	
Date Prepared:	
<b>General Description:</b> White, soft, flexible vinyl with a clear extremely aggressive permanent adhesive.	Address: 28457 N. Ballard Rd., Suite A1 Lake Forest, IL 60045 Phone: 847-582-9276 Fax: 847-582-9282

<b>Composition and information on ingredients:</b> Individual components of this product do not contribute to any known hazards. OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): NONE	<b>UL Recognized:</b> NO <b>ROHS Compliant:</b> YES <b>REACH Compliant:</b> YES
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<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>	
Emergency and First Aid Procedures:	
<b>ROUTES OF ENTRY:</b>	
Inhalation: N/A	Skin: N/A
Eyes: N/A	Ingestion: N/A

<b>Fire Fighting Measures:</b>	
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

<b>Accidental Release Measures:</b> N/A
<b>Handling and Storage:</b> No special handling required other than storing away from excessive heat sources.

**Special Fire Fighting Procedures:** 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>	
Respiratory Protection:	None required
Skin Protection:	No precautions required
Eye Protection:	None required
Exposure Guidelines:	None established
Engineering Controls:	None required

<b>Physical and Chemical properties:</b>			
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

<b>Toxicological Information:</b>	
Carcinogen Status:	NTP: NONE IARC: NONE OSHA: NONE

<b>Stability and Reactivity:</b>	
Stability:	N/A
Conditions to avoid:	Fire or Excessive Heat
Incompatibility:	None
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.

<b>Ecological Information:</b> No Data Available
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<b>Transport Information:</b>	
TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION: Not a hazardous material for DOT shipping.	

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

<b>Disposal Considerations:</b> Waste Disposal: Dispose of in accordance with Local, State and Federal regulations.
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**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.

**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.