

# PRODUCT CHARACTERISTIC SHEET and COC

**PLEASE READ BEFORE USING!**

**Material: MotoWrap™**

**Part Nos: MW41550W2, MW43050W2, MW45450W2**

**General Description:** MotoWrap™ is a white vinyl with excellent conformability and a high strength high tack adhesive for smooth low energy plastic surfaces. Use with MotoWrap 8™ mil or Pro-Shield™ laminates. MotoWrap™ works on thermal transfer printers and solvent ink jet printers, although not all printers have been tested.

Thickness:	3 mil. vinyl with 1 mil of adhesive
Outdoor Life:	4 years
Shelf Life:	2 years stored at 70 F & 50%RH
Service Temperature Range:	(-40° F to 176° F)
Minimum Application Temp.:	32° F

## Adhesive Properties:

Aggressive, high performance, permanent pressure sensitive adhesive works on most surfaces including low energy plastics.

## Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method
Acrylic	126	ASTM D 903 (Modified for 72 hour dwell time)
Glass	103	
Polypropylene	53	
Stainless Steel	111	
<b>Expected Shear</b> Room Temp (hours)	2	ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
<b>Tack (gm/sq cm)</b>	780	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:	
		Supplier's Authorized Rep.:	<i>Demas Garcia</i>
		Title:	<b>Converting Manager</b>
		Date:	

## Recommended Application Techniques:

On curved surfaces such as number plates, apply by rubbing from the center out. When MotoWrap™ Laminate is separated from the liner it is unsupported and can stretch during the laminating process. If there is too much reverse tension applied on the supply roll it will stretch and curl up immediately when it is cut. Laminate with a cold pressure sensitive laminator or by hand.

## GSP Software Settings:

In Gerber's Plot program, click on the "123" button then click on the substitute button and select vinyl type "Imagecal-P" or "220" from the pull-down menu.

**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> MotoWrap™				<b>Company:</b>  Graphic Marking Systems  Address: 28457 N. Ballard Rd., Suite A1 Lake Forest, IL 60045  Phone: 847-582-9276 Fax: 847-582-9282			
<b>Part Nos:</b> MW41550W2, MW43050W							
Date Prepared: 6/21/2018							
<b>General Description:</b> A white vinyl with Aggressive, high performance, permanent pressure sensitive adhesive.							
<b>Composition and information on ingredients:</b>  Individual components of this product do not contribute to any known hazards.  OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE						<b>UL Recognized:</b> NO	
						<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><u>ROUTES OF ENTRY:</u></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>  No special handling required other than storing away from excessive heat sources.				Unusual Fire and Explosion Hazards: None			
<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 Availaible				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:  Dispose of in accordance with Local, State and Federal regulations.				<b>Regulatory Information:</b>  <b>OSHA STANDARD CFR 29, PART 1910.1200:</b> This product is considered to be an "article" under this standard.			
<b>Other Information:</b>  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>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.			
				<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. <b>Warning</b> 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.			