

# PRODUCT CHARACTERISTIC SHEET and COC

## **PLEASE READ BEFORE USING!**

**Material: Glo Brite® Photoluminescent**

**Part Nos: GB155, GB1510, GB1525, GB1550,GB2710,GB2750**

**General Description:** Glo Brite is a photo luminescent (glow-in-the-dark) safety grade film for long lasting (8+ hr) luminous applications. It is designed to exceed requirements for emergency egress and other safety standards for indoor signs and directive markings in building, marine, rail, and military applications. Glo Brite® exceeds the ASTM standard by more than three times.

Thickness:	7 mil. vinyl with 2 mil of adhesive	<b>Adhesive Properties:</b> 2 mils. of permanent acrylic pressure sensitive adhesive works for most surfaces including powder coated surfaces and metal surfaces
Outdoor Life:	Not recommended	
Shelf Life:	2 years stored at 70 F & 50%RH	
Service Temperature Range:	(-20° F to 150° F)	
Minimum Application Temp.:	N/A	

### Tests performed | results:

Ultimate Peel from	Average OZ/IN	Test Method
Stainless Steel	72	PSTC-101 (Modified for 24 hour dwell time)
Powder coated surface	60	
Polyethylene	55	

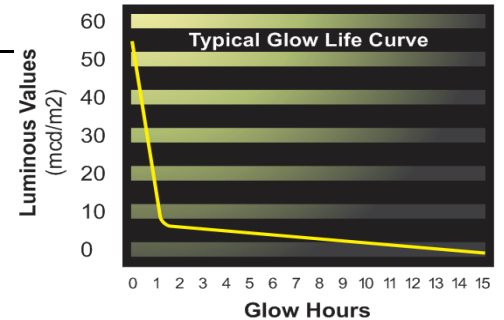
### Luminous Compliance

Din 67510, ASTM 2072, ISO 15370,  
IMO RES A.752 (18), PSPA class B

### Luminous Values

100 mcd/M<sub>2</sub> Din 67510 / ASTM 2072  
10.0 mcd/M<sub>2</sub> (Xe lamp 1000Lx / 5 min) 10 min  
(Xe lamp 1000Lx / 5 min) 60 min

Glo Brite 7630 takes a 5 minute charge and will last for more than 8 hrs. As noted on the adjacent chart, the initial glow will diminish over the 1st hour. As your eyes adjust to the dark, the Glo Brite will increase in visible contrast to non-luminous materials.



<b>Expected Shear</b> Room Temp (hours)	10 hrs.	PSTC - 107 1/2" x 1/2" x 1000g
<b>Tack</b>	<5 inches	PSTC - 6 Rollin Ball Tack

## CERTIFICATE OF CONFORMANCE (COC)

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

### Recommended Application Techniques:

Apply to a clean dry surface that is above 50° F. Recommended to be digitally printed on by Thermal transfer. Adhesive works for most surfaces including powder coated surfaces and metal surfaces.

### GSP Software Settings:

In Gerber's Plot program, click on the "123" button then on the substitute button and select vinyl. Select Gerber Glow 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. GMS0616 Graphic Marking Systems

# Material Safety Data Sheet (MSDS)

<b>Material Name: Glo Brite® Photoluminescent</b>		<b>Company:</b>	
<b>Part Nos: GB155, GB1510, GB1525, GB1550,GB2710,GB2750</b>		Graphic Marking Systems	
Date Prepared:		Address: 28457 N. Ballard Rd., Suite A1 Lake Forest, IL 60045	
<b>General Description:</b> Glo Brite is a photoluminescent (glow-in-the-dark) safety grade film with permanent acrylic adhesive.		Phone: 847-582-9276 Fax: 847-582-9282	
<b>Composition and information on ingredients:</b>		<b>UL Recognized:</b>	<b>NO</b>
Individual components of this product do not contribute to any known hazards.		<b>ROHS Compliant:</b>	<b>YES</b>
OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE		<b>REACH Compliant:</b>	<b>YES</b>
<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 Availble		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>Other Information:</b>		<b>OSHA STANDARD CFR 29, PART 1910.1200:</b> This product is considered to be an "article" under this standard.	
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> 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 a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.	