

TECHNICAL DATA SHEET

GF 245

3.2 MIL ANTIMICROBIAL LUSTRE CLEAR LAMINATE CLEAR SOLVENT PERMANENT ADHESIVE

GF 245 is a 3.2 mil antimicrobial lustre clear vinyl overlamine with a clear solvent-based permanent adhesive on a smooth paper liner. This specially-formulated laminate with antimicrobial technology is designed to protect the surface of the film against growth of microbes such as bacteria, mold and fungi, while also protecting the underlying graphic from abrasion, moisture and other contaminants. It can be laminated by the cold laminating process without the addition of heat. GF 245 lustre overlaminating vinyl film is designed to protect digital prints and screen printed images in applications where added protection against microbial growth is desired. GF 245 can also be used in most instances where a lustre laminate is required on interior or exterior applications.

PRODUCT NAME	245
FILM	
Film Type	Clear Intermediate Vinyl
Film Thickness (mils/ μ m)	3.2 / 81 (+/- 10%)
Film Weight (gsm)	105
Gloss (60°)	30
Opacity (%)	N/A
Tensile Strength (lbs/in)	MD \geq 3500 / CD \geq 3200
Elongation (%)	MD \geq 140 / CD \geq 240
Dimensional Stability (FTM 14)	MD \leq 1.00 mm / CD \leq 0.50 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/ μ m)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.8 / 12
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.0 / 18
LINER	
Liner Weight (#/gsm)	55 / 90
Liner Type	White Clay Coated Kraft
Liner Thickness (mils/ μ m)	3.3 / 84
Release Force @ 300" / min (g/2")	10-40
PERFORMANCE GUIDANCE	
Application Temperature	+40 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 1 year
Certifications and Ratings: ANTIMICROBIAL	Antimicrobial properties have been tested according to ISO 22196

The information above is believed to be reliable and is offered in good faith. It does not constitute a warranty of any kind. General Formulations, Inc. does not claim nor imply that this product offers protection to humans from disease-causing microorganisms. The effectiveness of this product against viruses has not been tested. It is the responsibility of the user to ensure the suitability of the product for the intended application, and to comply with all applicable health and safety laws and regulations.

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION <ul style="list-style-type: none"> <input type="radio"/> WET APPLY <input checked="" type="radio"/> DRY APPLY <input checked="" type="radio"/> LAMINATING <input type="radio"/> MOUNTING <input checked="" type="radio"/> DIE CUTTABLE <input type="radio"/> HOT STAMP <input type="radio"/> THERMAL DIE <input type="radio"/> FLATBED CUTTABLE 	<ul style="list-style-type: none"> <input checked="" type="radio"/> POP/RETAIL <input checked="" type="radio"/> WALL <input type="radio"/> WRAP <input checked="" type="radio"/> WINDOW <input type="radio"/> FLOOR <input type="radio"/> TRANSLUCENT <input type="radio"/> FLEET <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> OUTDOOR (SHORT TERM) 	<ul style="list-style-type: none"> <input type="radio"/> SOLVENT <input type="radio"/> ECO-SOLVENT <input type="radio"/> LATEX <input type="radio"/> UV CURABLE <input type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL)
SUBSTRATES <ul style="list-style-type: none"> <input type="radio"/> OEM PAINTED METAL <input type="radio"/> PAINTED ALUMINUM <input type="radio"/> STAINLESS STEEL <input type="radio"/> LOW-ENERGY SURFACES <input type="radio"/> ACRYLIC 		

FAQS	
How do we clean the GF 245 vinyl laminate?	Conventional non-abrasive cleaners/disinfectants ranging from soapy water to Alcohol-based and Quaternary ammonia-based cleaners can be used with a microfiber or similar soft cloth. Bleach-based cleaners are not recommended, as they may reduce the long-term effectiveness of the antimicrobial agents.
Can this product be applied to graphics by hand?	GF 245 should be applied to printed graphics or base vinyl with a laminator. If the laminator has a heat option, we do not recommend going above 110° F.