GENERAL FORMULATIONS

TECHNICAL DATA SHEET

GF 235 MOTOMARK® GRIP

4.0 MIL MATTE WHITE VINYL
CLEAR HIGH-BOND PERMANANET LSE ADHESIVE

GF 235 MotoMark® 4.0 mil "GRIP" is specially formulated premium flexible matte white PVC film. This film has a unique "High Bond" solvent acrylic pressure sensitive adhesive with a 90# layflat liner. The adhesive is formulated for the powersport graphic and decal markets. GF 235 MotoMark® can be printed on a variety of solvent-based, latex, UV and thermal printers that are commonly used in wide format. This product may also be printed on using other printing processes such as UV screen and UV curable offset but must be tested before production.

PRODUCT NAME	235
FILM	
Film Type	White Polymeric Vinyl
Film Thickness (mils/µm)	4.0 / 100 (+/- 10%)
Film Weight (gsm)	120
Gloss (60°)	≥ 20
Opacity (%)	≥ 93
Tensile Strength (lbs/in)	MD ≥ 3000 / CD ≥ 2600
Elongation (%)	MD ≥ 90 / CD ≥ 150
Dimensional Stability (FTM 14)	MD ≤ 1.0 mm / CD ≤ 0.50 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/µm)	1.8-2.2 / 46-56
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	6.0 / 26
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	6.0 / 26
LINER	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-sided PE-Coated Kraft
Liner Thickness (#/gsm)	6.7 / 170
Release Force @ 300" / min (g/2")	35-55
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	5 years

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WWW.GENERALFORMULATIONS.COM

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GF 235 - 4.0 MIL MATTE WHITE VINYL
CLEAR HIGH-BOND PERMANENT LSE ADHESIVE

PRODUCT SNAPSHOT

APPLICATION

- ● WET APPLY
- ● DRY APPLY
- ❍ LAMINATING
- ● DIE CUTTABLE
- ❍ HOT STAMP
- ❍ THERMAL DIE
- ● FLATBED CUTTABLE

SUBSTRATES

- ● OEM PAINTED METAL
- ● PAINTED ALUMINUM
- ● STAINLESS STEEL
- ● LOW-ENERGY SURFACES

APPLICATIONS

- ❍ POP/RETAIL
- ❍ WALL
- ● WRAP
- ❍ WINDOW
- ❍ FLOOR
- ❍ FLEET
- ● POWERSPORT VEHICLES
- ❍ GENERAL SIGNAGE
- ❍ OUTDOOR (SHORT TERM)
- ● OUTDOOR (LONG TERM)

INK TYPE

- ● SOLVENT
- ● ECO-SOLVENT
- ● LATEX
- ● UV CURABLE
- ● SCREEN
- ● OFFSET (UV CURABLE)
- ❍ OFFSET (CONVENTIONAL)

FAQS

What does LSE mean?	LSE is an abreviation for Low Surface Energy. Historically low surface energy plastics include thermoplastic polyolefin (TPO), polypropylene (PP) and polyethylene (HDPE). These plastics are very hard to stick to and require special high-tack adhesives. Most powersports vehicles, carts & helmets are made with these types of plastics.
Is MotoMark® a full wrap film?	No. When GF 235 MotoMark® is used with our GF 238 MotoMark® Laminate, you will have a 15-16 mil construction which (although conformable) is extremley difficult to wrap around curves and deep recesses.
What types of vehicles are ideal for GF 235 MotoMark®?	GF 235 is designed to be applied to quads, snowmobiles, motocross, powersport vehicles, helmets, and carts. Recommend testing before application.
What are the recommended laminates for GF 235?	GF 238 MotoMark® Laminate is the matching laminate and provides the most protection for the helmet and powersport types of applications.
Can I use primer with this product?	We do not recommend Primer 94 with our product. If absolutely necessary a small amount of Pro Bond™ Adhesive Promoter may be used in the tougher areas, but best practices are to clean the surface and crevices thoroughly, as most failures are the result of dirt and debris.

For Standard Terms & Conditions: www.generalformulations.com/terms-conditions

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