



# CLEANMARK® leaves the competition in the dust!

## CLEANMARK® Products

LGInternational's proprietary CleanMark® critical environment labels are specifically designed for use in the semiconductor, media, biotechnology and pharmaceutical cleanrooms. CleanMark® products are manufactured from 100% synthetic facestocks, liners and cores.

### Tailored to your specifications

Labeling products are available blank or preprinted and can be ordered in a variety of standard sizes or customized to your requirements. Adhesives can be supplied in a number of peel strengths, from non-residue, ultra-removable to permanent, exceeding the demanding needs of your critical environment.

### Cleanliness worthy of your environment

CleanMark® labels are available in two levels of cleanliness. Level One offers the highest level of cleanliness available for today's critical environments. Level One products undergo ultrasonic, sub-micron cleaning prior to being double bagged in certified silicone-free MDPE nitrogen purged bags. Level Two offers cleanroom packaging and is ideal for keeping products safe from excess environmental contamination prior to use.

### Lowest particulate emission

As the leader in cleanroom label technology, we've seen many claims of so called "clean" labels. The question is, can the cleanliness be verified or are they just calling the label clean? Why risk your yields on UN-provable claims when you can have the proven version?

An independent study compared particle emissions from four types of label stocks, including traditional paper labels on paper liners. CleanMark® labels were shown to have the lowest particulate emission.

## Product Offering

- Direct thermal and thermal transfer labels, dots, and travelers
- CleanMark® certified printers & ribbons

## Product Highlights

- 100% synthetic facestocks, liners and cores
- Facestocks inert to moisture and most acids, gases and salts
- Low-outgassing adhesives in a wide range of peel strengths
- Nitrogen-purged and vacuum-packaged
- Service temperature of -40° to +250°F
- Processed in a fully ionized cleanroom

## Available Options

- Ultrasonically sub-micron cleaned
- Double bagged in certified silicone-free, MDPE nitrogen purged bags
- Synthetic facestock choices, including polypropylene and polyester
- Patterned adhesive, zone coatings, and deadened adhesive zones
- Silicone-free label constructions
- Printable surfaces for thermal transfer, direct thermal, dot matrix, and cleanroom pens



## Specifications for LGI's Cleanroom Label Products

LGI Material	Substrate		Adhesive			Liner			Printable			Application				
	Thickness	Finish †	Thickness	Permanent *	Ultra Removable *	Thickness	Clear Heavy	Clear	Thermal Transfer Available	Direct Thermal	Laser Printable - Roll/Sheets	Available as Reduced Silicone	Ultra-low Outgassing	Pre-Sterilization Available	Autoclavable	RoHS Compliant **
LG-5000 - Polypropylene	.0030"	M	.0010"		●	.0015"	●	●	●	●	●	●	●	●	●	●
LG-5200 - Polypropylene	.0028"	M	.0010"		●	.0015"	●	●	●	●	●	●	●	●	●	●
LG-5010 - Polypropylene	.0030"	M	.0010"	●		.0015"	●	●	●	●	●	●	●	●	●	●
LG-5202 - Polypropylene	.0028"	M	.0010"	●		.0015"	●	●	●	●	●	●	●	●	●	●
LG-5002 - Polypropylene	.0030"	M	.0010"	●		.0015"	●	●	●	●	●	●	●	●	●	●
LG-5204 - Polypropylene	.0028"	M	.0010"	●		.0015"	●	●	●	●	●	●	●	●	●	●
LG-5086 - Polypropylene	.0030"	M	.0010"		●	.0015"	●		●	●	●	●	●	●	●	●
LG-5087 - Polypropylene	.0030"	G	.0010"		●	.0015"	●		●	●	●	●	●	●	●	●
LG-5280 - Polypropylene	.0032"	M	.0010"		●	.0015"	●	●	●	●	●	●	●	●	●	●
LG-5098 - Polypropylene	.0030"	M	.0010"	●		.0015"	●	●	●	●	●	●	●	●	●	●
LG-1277 - Polypropylene	.0025"	M	.0010"	●		.0015"	●	●	●	●	●	●	●	●	●	●
LG-1021 - Polyester	.0023"	M	.0008"	●		.0040"		●		●	●	●	●	●	●	●
LG-1226 - Polyester	.0023"	M	.0008"		●	.0040"		●		●	●	●	●	●	●	●

### Cleanroom Overlamine Options

LG-1014 - Clear	.0015"	G														●	●	
LG-1042 - Matte	.0015"	M															●	●
LG-1068 - Clear	.0015"	G							●								●	●

### Cleanroom Liner Options

LG-5005 - Clear	.0015"																●	●
LG-5305 - Orange	.0015"																●	●
LG-5505 - Blue	.0015"																●	●
LG-5105 - Clear	.0040"	Heavy Liner															●	●
LG-5013 - Clear	.0015"									●							●	●
LG-5905 - Dark Blue	.0050"	Embossed - Heavy Liner															●	●
CUSTOM	N/A	Liners Also Available in Custom Colors															●	●

### Cleanroom Thermal Transfer Ribbons

LGI-330	Black - IPA resistant, premium resin thermal transfer ribbon. Width and length are fully customizable.
LGI-310	Black - Premium resin thermal transfer ribbon. Width and length are fully customizable.
LGI-200	Black - General use wax/resin thermal transfer ribbon. Width and length are fully customizable.

† M - Matte G - Gloss

\* Adhesive bond strength may be affected by the surface it is adhered to.

\*\* RoHS compliance subject to change. For verification, contact LGI.

Results may vary; testing to actual application environment is recommended.

