



# Your autoclave is tough. Our labels are tougher!

## Sterilization Labels

The harsh environment necessary for sterilization presents unique challenges for your track and trace needs. Whether you have a standard label application or a unique problem that requires a custom engineered solution, LGI International's product offerings are specifically designed to stand up to the conditions of steam and dry autoclaves as well as gamma and ETO sterilization, including excessive temperatures, constant moisture and high-pressure loads. With LGI, you can count on materials, inks and adhesives that stick to the job.

## Durable synthetic materials

LGI specializes in synthetic critical environment materials. Working closely with our raw material suppliers right down to the design level, LGI's sterilization line offers tear resistant materials that will not be weakened by moisture or heat. Material options are available for thermal transfer, direct thermal and laser printability.

## Formulated for sterile applications

LGI's label constructions are able to withstand the severe conditions of sterilization. If your needs require proof of sterilization, we offer printing and tapes which change when exposed to specific temperatures or conditions.

## Technically superior adhesives

LGI offers a wide selection of adhesives specifically designed for extreme conditions. Whether you require a label that will withstand high temperatures and can be easily removed without messy residue or an aggressive adhesive that will withstand ongoing use, you can count on LGI's adhesives to perform reliably every time.

## Product Highlights

- Heat resistant materials
- Sterilization indication
- Temporary and permanent adhesive options
- Thermal transfer printable

## Useful Applications

- Steam and dry autoclaves
- ETO and gamma irradiation
- Proof of sterilization
- Preprinted forms
- Batch identification



 **LGI International**  
Advancing the technology of labels

# Sterilization Products



## Specifications for LGI's Sterilization Label Products

LGI Material	Substrate		Adhesive			Finish		Liner			Processing								
	Thickness	White	Clear	RoHS Compliant *	Thickness	Permanent **	Ultra-Removable **	Thermal Transfer Printable	Texture	Thickness	Custom Liner Options Available	Paper	Synthetic	Steam Autoclave Available	Dry Autoclave §	Gamma Irradiation §§	ETO Sterilization	Sterile Indicating Options	
LG-5000 Polypropylene	.0030"	●		●	.0010"			●	M	●	.0015"		●	●	●		●	●	●
LG-5010 Polypropylene	.0030"	●		●	.0010"		●		M	●	.0015"		●	●	●		●	●	●
LG-5002 Polypropylene	.0030"	●		●	.0010"	●			M	●	.0015"		●	●	●	●	●	●	●
LG-1148 Polyester	.0023"	●		●	.0008"	●			M	●	.0031"	●			●	●	●	●	●
LG-1022 Paper	.0030"	●		●	.0010"	●			M	●	.0025"	●			●	○	●	●	●
LG-1399 Polyester	.0020"	●		●	.0009"	●			G	●	.0031"	●			●	●	●	●	●
LG-1199 Polyester	.0020"	●		●	.0018"	●			G	●	.0031"	●			●	●	●	●	●
LG-1178 Polyester	.0020"		●	●	.0008"	●			G	●	.0031"	●			●	●	●	●	●

## LGI's 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.

- \* RoHS compliance subject to change. For verification, contact LGI
- \*\* Adhesive bond strength may be affected by the surface it is adhered to
- § Steam autoclave test was performed for 20 minutes at 275° F (135° C) at 27psi
- §§ Dry autoclave test was performed for 60 minutes at 340° F (171° C)
- † M - Matte G - Gloss
- Adhesive may appear cloudy until cooled
- Slight yellowing may occur

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

