



FAST, FLEXIBLE, RELIABLE **CUSTOM, STOCK, AND IN-STOCK SOLUTIONS**

Offering a complete, high-quality product mix of in-stock, off-the-shelf, and custom fabrication



CATALOG

NATIONWIDE SOLUTIONS, LOCAL EXPERTISE

SIGMACOMMERCIALBAG.COM



WHAT SETS US APART

PARTNERS IN PERFORMANCE

As part of Sigma Plastics Group, we have long been recognized as an innovative leader in polyethylene extruded film products. With a focus on performance, versatility, and meeting the diverse needs of our customers. We're more than a supplier, we're a strategic partner.

The Results of a Sigma Partnership Include:

- Accelerated growth through a reliable supply
- A knowledgeable, responsive sales team
- Proactive customer support
- Fast turnaround on orders, quotes, and information
- A complete product mix for a wide range of markets
- Access to samples and sales literature
- Transparent and open communication

WHO WE ARE

Sigma Commercial Bag is the national brand of can liners for the Sigma Plastics Group. Our goal is to deliver consistent quality, responsive service, and a streamlined product offering nationwide through our distributor network.



MATERIALS WE USE

MATERIAL COMPARISON CHART			
MATERIAL	STRENGTH	CLARITY	IDEAL USE
LLDPE	High	Moderate	Heavy loads, high puncture resistance
LDPE	Moderate	High	Visual applications, soft handling
HMW/HDPE	Very High	Low	Industrial, high volume

LLDPE (LINEAR LOW-DENSITY POLYETHYLENE)

Superior stretch, tear resistance, and puncture strength. Ideal for heavy or irregular loads where durability is critical. Offers flexibility and toughness in thin gauges. Ideal can liner for heavy duty trash applications like:

- Broken glass
- Bones
- Wet, sauces, food scraps
- Broken ceramic dinnerware
- Heavy kitchen waste

PROS

- Stretches
- Durable

CONS

- More Expensive

LDPE (LOW-DENSITY POLYETHYLENE)

Excellent clarity, softness, and seal strength. Commonly used in applications where visual presentation or softer handling is needed. Great for lighter loads.

HMW/HDPE (HIGH MOLECULAR WEIGHT / HIGH-DENSITY POLYETHYLENE)

Strong and stiff, with excellent moisture barrier properties. Provides high load capacity at lower gauges, making it ideal for cost-effective, high-volume applications like institutional or industrial settings. Ideal can liner for light weight trash applications like:

- Paper
- Tissue
- Office administrative trash
- Bathroom paper towels
- Lightweight paperboard and plastic

PROS

- Less expensive

CONS

- Zippers
- Does not stretch

PRIMARY APPLICATIONS



TRASH CAN LINERS

Range of gauges and strengths to suit office, janitorial, food service, healthcare, industrial, and municipal use.



POST-CONSUMER RECYCLED (PCR) CAN LINERS

Eco-conscious options that help reduce landfill waste while maintaining strength and quality.

CUSTOMIZATIONS

OPTIONS

We understand that one size doesn't fit all. That's why we offer a full range of customization capabilities to ensure your liners are the perfect fit for your application and brand.

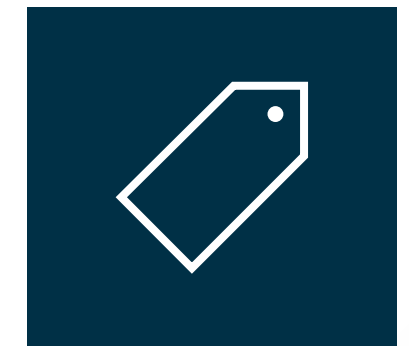
From custom sizes that match your exact bin dimensions to color options for branding or waste stream sorting, we help you create liners that work as hard as you do. Our private labeling and packaging services allow you to showcase your brand with custom-printed packaging, labels, and UPC codes. Our printing options, including one-color, one-side or random repeat logos, provide clear identification and messaging.



CUSTOM SIZES



CUSTOM COLORS



PRIVATE LABELING & PACKAGING



PRINTING OPTIONS



SEAL TYPES



ROLL STYLES





EZ FIT™ CAN LINERS

PERFECT FIT. LESS WASTE. MAXIMUM EFFICIENCY.

EZ Fit™ Can Liners are engineered to conform precisely to container dimensions—providing a cleaner, more professional appearance and eliminating excess film bunching, which leads to unnecessary waste and higher costs.

We estimate that approximately 90% of end users are using the wrong sized bag. The 33x39 and 33x40 bags barely fit (by 1 in overhang) the 32 gallon can. Most of the time, the bags fall into the receptacle (too short). The 36x58 bag doesn't fit the 55 gallon can.

KEY BENEFITS:

- **Tailored Sizing:** Manufactured to align with standard container sizes from 7 to 60 gallons and beyond, minimizing overhang and reducing slip-ins or tie-offs.
- **Gauge Optimization:** Available in light, medium, and heavy-duty gauges—optimized for specific waste types (office, food, janitorial, medical, etc.).
- **Improved Efficiency:** Faster liner replacement times for janitorial teams. Less plastic waste per liner translates to operational savings and sustainability benefits.
- **Compatibility:** Designed to fit round, square, and rectangular containers with minimal stretching or tearing.
- **Pack Formats:** Offered in coreless rolls or flat packs for easy dispensing and storage.

SPECIALTY BAGS

Built for unique environments and performance demands, our specialty bags are designed with precision, durability, and regulatory compliance in mind.

HOSPITAL & HEALTHCARE LINERS:

Engineered for infection control, our liners are leak-resistant, available in red, yellow, or blue for waste stream coding, and compatible with biohazard regulations.



PALLET COVERS:

Provide protection during transport or storage from dust, moisture, and cross-contamination. Available in clear or opaque formats, custom dimensions, and vented or non-vented versions.



BUN RACK COVERS:

Ideal for bakeries and food service. Protect product freshness and meet FDA compliance for direct food contact. Can be ordered in perforated rolls or single packs.



FDA-APPROVED FOOD & UTILITY BAGS:

Made from virgin-grade resins for safe handling of unpackaged food items. These multipurpose liners offer excellent clarity, seal strength, and resistance to grease and liquids.



HEAVY-DUTY COMPACTOR BAGS:

High-strength liners built for high-volume and high-weight waste in compacting units. Strong, puncture resistant, and manufactured in extra-thick gauges.





COMPOSTABLE OPTIONS

CODE GREEN™ COMPOSTABLE CAN LINERS

Designed for organizations looking to meet environmental mandates without sacrificing durability or hygiene standards.

- **Certified Compostable:** Meets ASTM D6400 and BPI-certified standards for industrial composting environments.
- **Eco-Smart Performance:** Made from renewable materials such as PLA or PBAT blends.
- **Use Cases:** Food service, cafeterias, green initiatives, municipal organics programs.
- **Color & Marking:** Available in green with "COMPOSTABLE" printed to comply with regional compost stream.
- **Shelf Life:** 6 months under dry, ambient storage conditions.



SHEETING & TUBING

Our polyethylene sheeting and tubing is manufactured for packaging, palletizing, and general industrial use. Available in custom widths, gauges, and roll formats.

SHEETING:

- **Centerfold Options:** From ~20" to 120"+ wide
- **Applications:** Dust covers, surface protection, wrapping
- **Materials:** LDPE or HDPE; with slip, anti-static, or UV additives available

TUBING:

- **Continuous Roll Stock:** For form-fill-seal operations, auto-packaging lines, or manual use
- **Customizable:** Layflat widths, thickness, and wind orientation per your machinery
- **Available Add-Ons:** Perforations, vent holes, and printed specs



HELPFUL FORMULAS

MILS VS. MICRONS

Mil – A unit of measurement in thousandths of an inch. (i.e., .001 = one thousandth of an inch or 1.0 mil). Generally used to designate the thickness of LLDPE products.

Mic – Short for micron, one thousandth of a millimeter. Generally used to designate the thickness of HDPE products.

For the EXACT conversion:

- Mils to Microns: (Number of Mils) x 25.4 (i.e., .75 mil = 19 microns).
- Microns to Mils: (Number of Microns) / 25.4 (i.e., 14 microns = .55 mil).

For the APPROXIMATE strength equivalents:

LLDPE & Blends	HDPE
.4 - .45 mil	6 micron
.6 - .75 mil	8 - 10 micron
.75 - .95 mil	10 - 13 micron
.95 - 1.1 mil	13 - 16 micron
1.1 - 1.5 mil	16 - 18 micron
1.5 - 1.8 mil	16 - 25 micron
Premium Super-Hexene	no comparable equivalent



MILS THICKNESS

LLDPE Net Case Weight (W x L x Mil) / 15 = Lbs per 1000
(i.e., 24 x 23 x .4 / 15 = 14.7 Lbs/M)

HDPE Net Case Weight (W x L x Mic) / 25.4 / 14.7 = Lbs per 1000
(i.e., 24 x 24 x 6 / 25.4 / 14.7 = 9.2 Lbs/M)

CASE WEIGHTS

Pounds to Grams: Number of Lbs x 454

Ounces to Grams: Number of Ounces / 16 x 454

Computing average gauge from an individual bag:
Gauge = Bag Weight x 30.5 / Width / Length / Density (in grams)
(.92 for LL) (.95 for HD)

Computing average gauge from a case of bags:
Gauge = Net Case Weight x 13,840 / Width / Length / Density (in lbs)
(.92 for LL) (.95 for HD)

Computing case weight from weight of one bag:
Case Weight = Bag Weight x Case Count / 454 (in lbs) (grams)

PROPER SIZE BAG


For a round receptacle:
Width of bag required = Diameter of receptacle x 3.14 / 2 (Diameter = the distance across the top of the receptacle) Length of bag required = 1/2 of the diameter + height of receptacle + 4" to 6" for overhang


For a square or rectangle receptacle:
Width of bag required = Length of two sides Length of bag required = 1/2 the smallest side + height of receptacle + 4" to 6" for overhang





EXAMPLES


The following is a table of some of the more popular waste receptacles available on the market along with common size and liner used with each. Find the container that matches yours and note the liner size. Then choose the correct size liner in the strength you need.


ICE BUCKET	Size	Liner
	3 quart	8 x 4 x 12


WASTE BASKETS	Size	Liner
	4	17 x 17
	7	20 x 21
	7 - 10	24 x 24
	10 - 15	24 x 32
	12 - 16	30 x 36
	33	33 x 39
	40 - 45	40 x 46

STEP-ON	Size	Liner
	4	17 x 17
	7	20 x 21
	7 - 10	24 x 24
	12 - 16	24 x 32
	20 - 30	30 x 36

ROUND BRUTE / HUSKY	Size	Liner
	12 - 16	24 x 32
	20 - 30	30 x 36
	60	36 x 58
	33	33 x 39
	40 - 45	40 x 46

ROUND TOP	Size	Liner
	33	33 x 39

SQUARE	Size	Liner
	23	29 x 45
	40 - 45	40 x 46
	56	43 x 47

OUTDOOR	Size	Liner
	33	33 x 39
	40 - 45	40 x 46
	55	36 x 58
	60	38 x 58



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