



VINTAGE



CAN LINERS

Can Liner University

Types of Seals



Star Seal

A Star Seal can liner is manufactured by folding the bottom of the can liner over several times and then sealing it. Star Seal can liners will virtually eliminate leaks. They also conform better to the shape of the waste receptacle by spreading refuse around the can liner.



Gusset Seal

A Gusset Seal can liner is a flat-style can liner that is manufactured with both sides tucked in to form gussets. The outer edges of the can liner where there are indentations is sealed with four layers of film, while the middle is sealed with only two layers. Can liners made with gussets have a tendency to leak with wet trash.



Flat Seal

A Flat Seal can liner is manufactured by simply sealing the bottom edge. Can liners made with this type of seal are somewhat leak-proof and do not compromise the length of the can liner. Can liners made with a flat seal do not conform well to the waste receptacle, making them difficult to utilize.

Step 1: Determine the proper can liner for your application

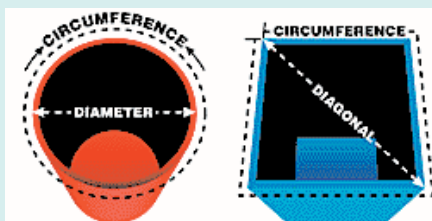
Linear Low Density (LLD) Can Liner Advantages

- LLD can liners have superior stretch properties making them highly puncture and tear resistant.
- LLD can liners are an excellent choice for waste with sharp and jagged edges.
- LLD can liners strength and stretch properties make them a great multi-purpose can liner.

High Density (HD) Can Liner Advantages

- HD can liners are up to three times stronger, and weigh half as much as LLD can liners.
- HD can liners are an excellent economical choice for heavy, wet trash and soft refuse.
- HD can liners have superior vapor and moisture protection, and can be USDA and FDA approved for food use.
- HD can liners have smaller, lighter cases, which lower freight, storage and warehousing costs.
- HD can liners are more temperature resistant (-40 degrees to +212 degrees).

Step 2: What size can liner do I need?



Each container should have a gallon capacity, or size printed on it. Refer to the Vintage® container chart in this brochure for pictures of actual trash container types. Just match the picture to your receptacle and it will tell you which size can liner you need.

Bag Width: To calculate the proper width of the can liner for your container, simply divide the circumference of your container by 2.

Square Container Circumference: Circumference= sum of all four sides added together.

Round Container Circumference: Circumference=diameter multiplied by 3.14

Bag Length: (round & square containers) add the height of the container, plus 4-5 inches for overhang.

Step 3: How much weight does the can liner need to hold?

To determine the strength needed for your can liner, estimate the average weight of a full container of refuse in your application.



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Can Liner Terminology

It is important to know a little about can liners to help you determine which can liner will work best for your particular application.

Resin

Resin is the basic raw material used in manufacturing can liners. The two basic types of resins utilized in can liner manufacturing are **High Density** and **Linear Low Density**.

Linear Low Density Can Liners

Linear Low Density can liners are made from high quality resins that are highly resistant to puncturing and tearing. The exceptional strength and stretch properties of Linear Low Density can liners make them a great general purpose can liner. Various resins that comprise Linear Low Density polyethylene include butane, hexene and metallocene.



High Density Can Liners

High Density can liners are made from high molecular density resins, which are significantly stronger than other types of resins. The superior strength and moisture barrier properties of High Density can liners make them an excellent choice for heavy, wet trash.

Gauge

Gauge is a term used in the can liner industry to describe the thickness of a can liner. Gauge is typically stated either in **mil** or **micron**.

Mil

Mil is a measurement based on thousandth of an inch (.000). Linear Low Density can liners will range from .24 to 2.4 mil. Improved resin technologies have allowed manufacturers to produce thinner can liners that are much stronger than the can liners of the past.

Micron

Micron is a measurement based on one hundred thousandths of an inch (.000000). High Density can liners range from 6 to 24 microns.

Can Liner Formulas

To Convert Microns to Mills: divide the micron by 25.4 to arrive at a true mil thickness. (9 micron / 25.4 = .35 mil)

To Convert Mills to Microns: multiply the mil by 25.4 to arrive at a true micron thickness. (.35 x 25.4 = 9 micron)

Micron	5	6	7	8	9	10	11	12	13	14	15	16
Mil	.19	.23	.27	.31	.35	.39	.43	.47	.51	.55	.59	.62
Micron	17	18	20	21	22	23	24	25	26	27	28	
Mil	.66	.70	.74	.78	.82	.86	.90	.98	1.02	1.06	1.1	



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Linear Low Density Can Liners

Why are Vintage® Linear Low Density can liners one of the best Linear Low Density can liners you can buy?

- Made exclusively with premium resins to produce one of the strongest Linear Low Density can liners ever made.
- Superior dart strength and elasticity help prevent puncturing and zippering.
- Star Seal bottom eliminates leaks and helps spread refuse around the container.
- Compact coreless rolls in crush-resistant cases provide effortless bag dispensing.
- Comprehensive line for all applications, including business, industry, healthcare and lodging.
- Intelligent case labeling.



Vintage® Code #	Size (W x L)	Gallon (Capacity)	Gauge (mil)	Color	Duty Rating	Bags/ Roll	Rolls/ Case	Bags/ Case	Case/ Pallet
VL3036HB	30" x 36"	20 - 30	0.54	Black	Heavy	25	10	250	96
VL3339HB	33" x 39"	33	0.54	Black	Heavy	25	10	250	72
VL3036XHW	30" x 36"	20-30	0.8	White	Extra Heavy	25	8	200	72
VL3339XHW	33" x 39"	33	0.8	White	Extra Heavy	10	15	150	96
VL4046XHW	40" x 46"	40-45	0.8	White	Extra Heavy	10	10	100	96
VL4347XHW	43" x 47"	56	0.8	White	Extra Heavy	10	10	100	96
VL3858XHW	38" x 58"	60	0.8	White	Extra Heavy	10	10	100	72
VL3036XHB	30" x 36"	20-30	0.8	Black	Extra Heavy	25	10	250	72
VL3339XHB	33" x 39"	33	0.8	Black	Extra Heavy	25	10	250	56
VL4046XHB	40" x 46"	40-45	0.8	Black	Extra Heavy	10	10	100	96
VL3858XHB	38" x 58"	60	0.8	Black	Extra Heavy	10	10	100	72
VL333915B	33" x 39"	33	1.5EQ	Black	Municipal	10	10	100	64
VL404615B	40" x 46"	40-45	1.5EQ	Black	Municipal	10	10	100	64
VL434715B	43" x 47"	56	1.5EQ	Black	Municipal	10	10	100	64
VL385815B	38" x 58"	60	1.5EQ	Black	Municipal	10	10	100	64
VL333920B	33" x 39"	33	2.0EQ	Black	Municipal	10	10	100	64
VL404620B	40" x 46"	40-45	2.0EQ	Black	Municipal	10	10	100	64
VL434720B	43" x 47"	56	2.0EQ	Black	Municipal	10	10	100	64
VL385820B	38" x 58"	60	2.0EQ	Black	Municipal	10	10	100	64
VL404624B	40" x 46"	40-45	2.4EQ	Black	Municipal	10	10	100	48
VL385824B	38" x 58"	60	2.4EQ	Black	Municipal	10	10	100	48
VL2432LB	24" x 24"	12-16	.24	Black	Municipal	50	20	500	72

Black (B), Light Black (LB), Heavy Black (HB), Extra Heavy Black (XHB), White (W), Heavy White (HW), Extra Heavy White (XHW), Natural (N)

[Can liners are also available in custom colors, sizes and gauges upon request by special quotation.]



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High Density Can Liners

Why are Vintage® High Density can liners one of the best High Density can liners you can buy?

- Made exclusively with premium resins to produce one of the strongest High Density can liners ever made.
- Superior vapor barrier protection to confine odors.
- Star Seal bottom eliminates leaks and helps spread refuse around the container.
- USDA and FDA-approved for food storage use.
- Coreless interleaved rolls in crush-resistant cases provide effortless bag dispensing.
- Comprehensive line for all applications, including business, industry, healthcare and lodging.
- Intelligent case labeling.



Vintage® Code #	Size (W x L)	Gallon (Capacity)	Color	Bags/ Roll	Rolls/ Case	Bags/ Case	Case/ Pallet
VH242406N	24" x 24"	7-10	Natural	50	20	1000	80
VH242408N	24" x 24"	7-10	Natural	50	20	1000	64
VH243306N	24" x 32"	12-16	Natural	50	20	1000	80
VH243308N	24" x 32"	12-16	Natural	50	20	1000	64
VH303710N	30" x 36"	20-30	Natural	25	20	500	64
VH303713N	30" x 36"	20-30	Natural	25	20	500	64
VH334011N	33" x 39"	33	Natural	25	20	500	64
VH334013N	33" x 39"	33	Natural	25	20	500	64
VH334016N	33" x 39"	33	Natural	25	10	250	64
VH366017N	36" x 58"	55	Natural	25	8	200	64
VH386014N	38" x 58"	60	Natural	25	8	200	64
VH386017K	38" x 58"	60	Black	25	8	200	64
VH386017N	38" x 58"	60	Natural	25	8	200	64
VH386022K	38" x 58"	60	Black	25	6	150	64
VH404812N	40" x 46"	40-45	Natural	25	10	250	64
VH404814N	40" x 46"	40-45	Natural	25	10	250	64
VH404816N	40" x 46"	40-45	Natural	25	10	250	64
VH404817N	40" x 46"	40-45	Natural	25	10	250	64
VH404822K	40" x 46"	40-45	Black	25	6	150	64
VH404822N	40" x 46"	40-45	Natural	25	6	150	64
VH434816N	43" x 46"	*Glutton	Natural	25	8	200	64
VH434817N	43" x 46"	*Glutton	Natural	25	8	200	64
VH434822K	43" x 46"	*Glutton	Black	25	6	150	64

Black (B), Light Black (LB), Heavy Black (HB), Extra Heavy Black (XHB), White (W), Heavy White (HW), Extra Heavy White (XHW), Natural (N)

[Can liners are also available in custom colors, sizes and gauges upon request by special quotation.]



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Container Chart

	Type	Gallon Size	Can Liner Size	High Density Vintage® SKU	Linear Low Density Vintage® SKU
	Small Office Wastebasket	5 Gallon	24" x 24" HD/LD	VH242406N VH242408N	VL2424LB
	Tall Office Wastebasket	5-7 Gallon 10 Gallon	24" x 24" HD/LD 24" x 32" LD 24" x 32" HD	VH242406N VH242408N VH243306N VH243308N	VL2424LB VL2432LB
	Step On Container	12 Gallon	30" x 36" LD 30" x 36" HD	VH303710N VH303713N	VL3036HB VL3036XHW VL3036XHB
	Round Container	15 Gallon	30" x 36" LD 30" x 36" HD	VH303710N VH303713N	VL3036HB VL3036XHW VL3036XHB
	Square Container	19-23 Gallon	30" x 36" LD 30" x 36" HD	VH303710N VH303713N	VL3036HB VL3036XHW VL3036XHB
	Brute* Container Huskee** Container	20 Gallon	30" x 36" LD 30" x 36" HD	VH303710N VH303713N	VL3036HB VL3036XHB VL3036XHW
	33 Gallon Can	33 Gallon	33" x 39" LD 33" X 39" HD	VH334011N VH334013N VH334016N	VL33392HB VL3339XHW VL3339XHB VL333915B VL333920B VL333924B
	Brute* Container Huskee** Container	44 Gallon	40" x 46" LD 40" X 46" HD	VH404812N VH404814N VH404816N VH404817N VH404822N VH404822K	VL4046HB VL4046XHW VL4046XHB VL404615B VL404620B VL404624B
	Big Wheel* Container Tilt 'N Wheel** Container	50 Gallon	43" x 46" LD 43" X 46" HD	VH434816N VH434817N VH434822K	VL4347HB VL4347XHW VL4347XHB VL434715B VL434720B
	Steel Drum	55-60 Gallon	36" x 58" HD-55 38" x 58" HD-60 38" x 58" LD	VH366017N VH386017N VH386017K VH386014N VH386022K	VL3858HB VL3858XHW VL3858XHB VL385815B VL385820B VL385824B
	Glutton* Container King Kan** Container	56 Gallon	43" x 46" LD 43" X 46" HD	VH434816N VH434817N VH434822K	VL4347HB VL4347XHW VL4347XHB VL434715B VL434720B

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