

Green Solutions

***Environmentally Responsible
Trash Can Liners***



PITT
Plastics
INC.

In light of the ongoing concerns about global warming, it is important for all of us to take steps to increase conservation and develop new strategies to alleviate the crisis. Pitt Plastics is proud to introduce **Green Solutions**, an assortment of new and existing products which are tailored with conservation and recycling in mind. These products include:

- **Bio-Star**: Our new compostable bag.
- **Deja Vu**: Manufactured using up to 50% of both internally recycled virgin resins and high quality post-consumer resin.
- **Re-Run**: Manufactured using up to 80% of both internally recycled virgin resins and high quality post-consumer resin.
- **Performance HD**: Our source reduction bag which performs on a level equivalent to traditional gauges and microns.

Definitions

- **Sustainability**: A characteristic of a process or state that can be maintained at a certain level indefinitely.
- **Post-Consumer Polyethylene**: Plastic material recovered from the public and the environment. This material has typically been exposed to a wide variety of contaminants, both from the varied types of products that were carried in the plastic, but also from the many exposures the plastic may have in the environmental settings.
- **Post-Industrial Polyethylene**: Plastic material recovered from industrial sources, typically from machine start-ups, from overruns, from defective manufacturing processes, and related causes. This material is typically clean as it has been in a controlled environment.
- **Source Reduction**: Source reduction is decreasing the amount of materials or energy used during the manufacturing or distribution of products and packages. Because it stops waste before it starts, source reduction is the top solid waste priority of the U.S. Environmental Protection Agency.

Biodegradable vs. Compostable Plastics

Compostable plastic is plastic which is *"capable of undergoing biological decomposition in a compost site as a part of an available program, such that the plastic is not visually distinguishable and breaks down to carbon dioxide, water, inorganic compounds, and biomass, at a rate consistent with known compostable materials (e.g. cellulose), and leaves no toxic residue."* (ASTM)

Therefore, while all compostable plastics are biodegradable, not all biodegradable plastics are compostable. Look for ASTM D6400 and the BPI logo to determine if products are truly compostable.

Biodegradable Plastic is plastic which will degrade from the action of naturally occurring microorganisms, such as bacteria, fungi, etc. over a period of time. There is no requirement regarding toxic residue, as well as no requirement for the time required to biodegrade.





"BioStar liners are completely compostable and meet ASTM D6400 specifications for compostable plastics"

Even if the contents of your trash bag are completely biodegradable, the entire package may not be. By using compostable bags you can do even more to protect the environment.

Not only are BioStar liners completely biodegradable, they also meet the ASTM D6400 standards for compostable plastics for use in commercial facilities.

The use of BioStar can liners helps reduce landfill waste, and reduces pollution and conserves water and other resources used in the management of waste sites.

Take action and help reduce the more than 200 million tons of landfill waste that is produced every year by incorporating BioStar compostable products into your program.



Tested and certified by the Biodegradable Products Institute in conjunction with the U.S. Composting Council. Only tested and approved products are authorized to use the BPI Compostable label.



- **100% biodegradable and compostable.**
- **Meets ASTM D6400 Standard Specification for compostable plastics.**
- **Available in four of the most commonly requested sizes.**
- **Green tint printed with the BPI compostable logo.**
- **Available on coreless rolls.**

Stock Number	Gallon Capacity	Size	Strength	Color	Case Pack	Cases per Pallet	Cases per Layer
BS30G	20-30	30 x 36	Extra Heavy	Green	150 (10/15)	126	9
BS33G	33	33 x 39	Extra Heavy	Green	100 (10/10)	126	9
BS45G	40-45	40 x 46	Extra Heavy	Green	100 (10/10)	126	9
BS60G	60	38 x 58	Extra Heavy	Green	100 (10/10)	126	9

Pitt Plastics recommends the use of these products in certified composting facilities. There are a variety of resources available on the internet to help you find a facility in your area.



DEJA VU

“Deja Vu can liners are formulated from a blend of our own recycled resins and the highest quality post-consumer resins”



- ***Contains up to 50% recycled content***
- ***Top quality post-consumer and internally recycled resin***
- ***Reasonably priced, environmentally responsible product***
- ***Eligible for LEED Program Credit***

Like most can liner manufacturers, we at Pitt Plastics internally recycle all of the byproducts from our entire product line. These byproducts are 100% virgin resins that are left over as the result of the manufacturing process.

Deja Vu can liners are formulated from a blend of our own recycled virgin resin and the highest quality post-consumer resin.

Deja Vu can liners are manufactured with up to 50% recycled content and can be used to earn LEED Credit when included as a part of a certified and approved program.

Gallon Capacity	Stock Number	Size	Strength	Color	Case Pack	Cases/ Pallet	Cases/ Layer	Max Load
20-30	DJ37K	30 x 36	Extra Heavy	Black	250	72	9	70 Lbs
33	DJ40K	33 x 39	Extra Heavy	Black	200	72	9	70 Lbs
40-45	DJ48K	40 x 46	Extra Extra Heavy	Black	125	72	9	75 Lbs
56 Glutton	DJ49K	42.5 x 48	Extra Extra Heavy	Black	100	72	9	75 Lbs
60	DJ60K	38 x 58	Extra Extra Heavy	Black	100	72	9	75 Lbs

RE-RUN



“Re-Run can liners feature the highest percentage of recycled materials of any of our products”

Re-Run can liners feature the highest percentage of recycled materials of any of our products. Like Deja Vu liners, they are specially formulated from a blend of our own recycled virgin resin and the highest quality post-consumer resin. The result is an environmentally sound, versatile, and 100% recyclable can liner at a competitive price.

Re-Run can liners are manufactured with up to 80% recycled content and can be used to earn LEED Credit when included as a part of a certified and approved program.

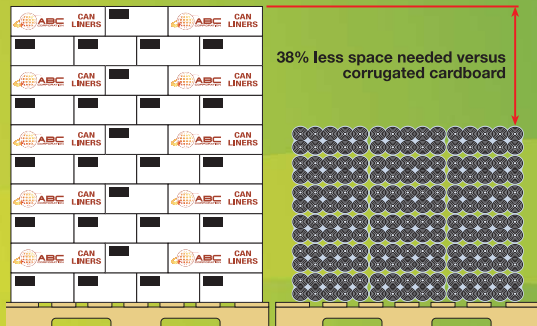


- ***Contains up to 80% recycled content***
- ***Top quality post-consumer and internally recycled resin***
- ***Available in assorted sizes and gauges***
- ***Eligible for LEED Program Credit***

Gallon Capacity	Stock Number	Size	Strength	Color	Case Pack	Cases/Pallet	Cases/Layer
12-16	RP243210K	24 x 32	Extra Heavy	Black	500	80	5
20-30	RP303615K	30 x 36	Extra Heavy	Black	250	65	5
20-30	RP303620K	30 x 36	Extra Extra Heavy	Black	250	50	5
33	RP333915K	33 x 39	Extra Heavy	Black	150	99	9
33	RP333920K	33 x 39	Extra Extra Heavy	Black	150	80	5
40-45	RP404615K	40 x 46	Extra Heavy	Black	100	126	9
40-45	RP404620K	40 x 46	Extra Extra Heavy	Black	100	80	5
56	RP434715K	43 x 47	Extra Heavy	Black	100	99	9
56	RP434720K	43 x 47	Extra Extra Heavy	Black	100	65	6
60	RP385815K	38 x 58	Extra Heavy	Black	100	99	9
60	RP385820K	38 x 58	Extra Extra Heavy	Black	100	65	5



- **Performs at traditional gauges or microns**
- **Consolidated number of SKUs; eliminates duplication**
- **Package design results in fewer solid and water-borne pollutants**
- **Reduced case weight means less fuel needed for transportation**



Greater Freight Efficiencies

Performance HD packaging weighs substantially less than traditional corrugated cartons, which can weigh 8 times more. The weight difference can equate to up to 2000 pounds on a typical truckload order. The lightweight plastic packaging also makes for easier disposal, and is recyclable.

Performance HD liners are based on High Density resins, the most cost efficient film available in the market today. They perform on a level equivalent to traditional gauges and microns. Performance HD liners are available on convenient coreless rolls which simplifies inventory control and provide easy portability.

Gallon Capacity	Stock Number	Size	Strength	Color	Case Pack	Cases Pallet	Cases Layer	Max Load
10	HR-10R-C	24 x 23	Regular	Natural	1000 (20/50)	84	12	15 Lbs.
12	HR-12R-C	24 x 27	Regular	Natural	1000 (20/50)	84	12	15 Lbs.
12-16	HR-16R-C	24 x 32	Regular	Natural	1000 (20/50)	84	12	15 Lbs.
20-30	HR-20H-C	30 x 36	Heavy	Natural	500 (20/25)	90	9	45 Lbs.
20-30	HR-20XH-C	30 x 36	Extra Heavy	Natural	250 (10/25)	90	15	70 Lbs.
33	HR-33H-C	33 x 39	Heavy	Natural	250 (10/25)	90	15	45 Lbs.
33	HR-33XH-C	33 x 39	Extra Heavy	Natural	250 (10/25)	90	15	70 Lbs.
40-45	HR-40H-C	40 x 46	Heavy	Natural	250 (10/25)	84	12	45 Lbs.
40-45	HR-40XH-C	40 x 46	Extra Heavy	Natural	250 (10/25)	84	12	70 Lbs.
40-45	HR-40SH-C	40 x 46	Super Heavy	Natural	150 (10/15)	84	12	80 Lbs.
56	HR-56XH-C	43 x 47	Extra Heavy	Natural	200 (8/25)	84	12	70 Lbs.
56	HR-56SH-C	43 x 47	Super Heavy	Natural	150 (10/15)	84	12	80 Lbs.
60	HR-60H-C	38 x 58	Heavy	Natural	200 (8/25)	84	12	55 Lbs.
60	HR-60XH-C	38 x 58	Extra Heavy	Natural	200 (8/25)	84	12	70 Lbs.
60	HR-60SH-C	38 x 58	Super Heavy	Natural	150 (10/15)	84	12	80 Lbs.

Reduced Case Cube

The Performance HD vacuum-packed plastic packaging eliminates approximately 38% of the space needed to store the amount of liners in a traditional corrugated carton. The reduced case cube requirements save both space and money.

Innovative Packaging Design

Performance HD liners feature innovative vacuum packaging made of clear plastic. This packaging reduces the possibility of crushing as well as dust and water damage. It also makes the product more attractive to food service users and makes the product color easy to identify.

Replacement Chart

Performance HD vs. traditional size/gauge can liners

Performance HD Stock Number	Size	Gauge/Microns	Performance HD Stock Number	Size	Gauge/Microns
HR10RC	24 x 24	6 to 8 microns	HR40XHC	40 x 48	14 to 18 microns
HR12RC	24 x 24, 24 x 33	6 to 8 microns	HR40SHC	40 x 48	19 to 24 microns
HR16RC	24 x 33	6 to 8 microns	HR56XHC	43 x 48	14 to 18 microns
HR20HC	30 x 37	10 to 13 microns	HR56SHC	43 x 48	19 to 24 microns
HR20XHC	30 x 37	14 to 16 microns	HR60HC	38 x 60	12 to 14 microns
HR33HC	33 x 40	10 to 13 microns	HR60XHC	38 x 60	15 to 18 microns
HR33XHC	33 x 40	14 to 16 microns	HR60SHC	38 x 60	19 to 24 microns
HR40HC	40 x 48	10-13 microns			



3 STEPS TO CHOOSING THE RIGHT CAN LINER

The range of sizes, weights, and types of can liners is nearly overwhelming. How do you figure out which can liner you need? The confusion over the variety of products is understandable, but it's not insurmountable. We have developed an easy 3-step method to make shopping for can liners easy.

1

DETERMINE THE PROPER CAN LINER TYPE FOR YOUR APPLICATION.

There are two types of resins commonly used in the manufacture of can liners: Linear Low and High Density. To decide which one you need, answer this question: "Are sharp objects being thrown away?"

If **yes**, you need **Linear Low**.

If **no**, you need **High Density**.

LINEAR LOW:

- Linear Low is the most prevalent type of film used in the industry. Linear Low features the maximum puncture and tear resistance.
- Manufactured in a wide variety of colors, it is suitable for a wide range of applications.

HIGH DENSITY:

- High Density provides substantial cost savings per liner.
- It is an excellent choice for soft refuse (typical office, restroom, paper products, etc.)
- High Density liners are about three times stronger and more durable than ordinary polyethylene liners of the same thickness.

Now that you have decided which resin type is for you, you've eliminated half the products in the catalog. Next we'll narrow it down even further.

2

WHAT SIZE CONTAINER DOES THE LINER NEED TO FIT?

Ideally, you should have about three to four inches of overhang on the trash receptacles. Anything more or less is wasteful of both time and money.

The following are some guidelines to use when choosing the right size can liner.

- Use the product specification charts or the measuring for the correct can liner size formulas in the Pitt Plastics full line catalog to determine the correct size.
- The gallon capacity or the size is usually printed on the container.

3

HOW MUCH DOES THE LINER NEED TO HOLD?

Here is where you may need to do some calculation. You need to determine the average weight of a full can liner in your environment.

Once you have decided on that number, check the product grid in the Pitt Plastics catalog under the can liner type and size that you have determined in the first two steps. Go across the grid to the column marked "Max Load". Find the number closest to the average weight figure that you calculated, and that's the can liner you need.

The form is a two-page document titled "Pitt Plastics Sustainability Survey". It includes sections for "Customer Information", "Current Product Usage", "Proposed Monthly Usage", and "Sustainability". The "Current Product Usage" section has a table with columns for "Product Type", "Size", "Color", "Weight", and "Usage". The "Proposed Monthly Usage" section has a similar table. The "Sustainability" section includes a "Carbon Footprint" table and a "Sustainability" table. The form also includes a "Notes" section and a "Total" section.

Sustainability Survey

Pitt Plastics has developed a Sustainability Survey to help you determine the environmental savings that are attainable by switching to these products. Ask your service representative for more information.



Pitt QSC-Quality, Service, Consistency
"We Make It Easy!"

1400 Atkinson Avenue • P.O. Box 356
Pittsburg, KS 66762
Phone: 800.835.0366
Fax: 800-314-8449
www.pittplastics.com



NMSDC

Minority Certification

Many corporations and government entities have social sustainability policies in place. Many of these policies encourage the use of minority companies. Pitt Plastics, Inc. is a certified Minority Business Enterprise.

Printed with soy inks on recycled paper