



Starting a Revolution



Revolution Bag

Starting a Revolution

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Who We Are...

We are a closed-loop recycling company that makes high-quality can liners that exceed environmentally preferred requirements, without costing more...

- ▶ Associated with Delta Plastics - the leading manufacturer of irrigation polytube
- ▶ We divert the used polytube from landfills to create our liners
 - ▶ Our patented process keeps about 100 *million* pounds of waste out of landfills every year while creating the highest quality post-consumer recycled (PCR) resin
 - ▶ The resin, which is certified as 100% PCR, is produced in our recycling facility
- ▶ Revolution Bag produces our own line of high-performance can liners with some of the *highest percentage of PCR resin on the market*



...and What We Do

Closed-loop recycling process

1

CROP IRRIGATION

Revolution Bag's sister company, Delta Plastics of Little Rock, Arkansas, creates agricultural polyethylene irrigation tubing. Tubing is used for only one growing season.



2

RECYCLING

After one season of use, the tubing must be discarded. Delta Plastics has been in the recycling business for more than 18 years and has kept more than 1 billion pounds out of the landfills.



3

RESIN PRODUCTION

Used plastic is recycled at Delta Plastics' Stuttgart, Arkansas, plant through a patented process that transforms the materials from tubing to SCS-certified post-consumer resin known as PCR-Pro™.



4

REVOLUTION

Resin is transferred to Revolution Bag in Little Rock, Arkansas, where it is converted to blown film, and EPA-compliant trash bags are produced.



Understanding Green Claims

Focused on making an impact verified by independent standards

- ▶ **Recycled-** To claim an item is recycled it must be composed of materials that have been diverted from the waste stream, either during the manufacturing process (pre-consumer or post-industrial) or after consumer use (post-consumer.)
 - ▶ Pre-consumer or post-industrial recycled claims typically should not be used with trash can liners as reprocessing their own scrap is a part of normal operations.
- ▶ Typically the only valid recycled content claim for can liners is post-consumer.
 - ▶ Look for third-party certification (i.e., ECOLOGO, SCS).

Source - FTC Green Guidelines



Understanding Green Claims

Be aware of greenwashing

- ▶ **Degradable** - Items with unsubstantiated claims must completely *decompose within one year* after disposal to be considered degradable. (Also applies to biodegradable, oxo-degradable, and photo-degradable claims.)
 - ▶ Trash can liners typically are placed in landfills / incineration facilities, where complete decomposition is unlikely within a year.
- ▶ **Recyclable** - Trash can liners are ordinarily not separated from other trash at the landfill for recycling.
 - ▶ Can liners are unlikely to be reused for any purpose, so this claim is deceptive.

Source - FTC Green Guidelines



Green, Sustainability...

Regardless of your green goals, Revolution Bag will make an impact

- ▶ We use closed-loop post-consumer recycled content resin (PCR)
 - ▶ The resin used for making Revolution Bag liners is certified 100% PCR content
 - ▶ Revolution Bag can liners average 70% PCR resin
- ▶ All of our liners exceed EPA Comprehensive Procurement Guidelines by at least 300%!
- ▶ All of our liners meet the requirements of the USGBC LEED® Rating Systems
- ▶ Our unique formulas and processes allow us to create stronger right-sized bags to further contribute to source reduction



Green, Sustainability...

On average, by replacing 500 cases per month of can liners made from virgin resin with Revolution Bag can liners, the annual environmental impact would be comparable to:

- ▶ Planting 761 saplings and letting them grow for 10 years, or
- ▶ Removing 6.3 cars from the road for one year, or
- ▶ Powering 2.7 homes for one year

Imagine the impact if everyone joined the revolution!

Based on Life Cycle Assessment by Scientific Certification Systems and the EPA Clean Energy Calculator



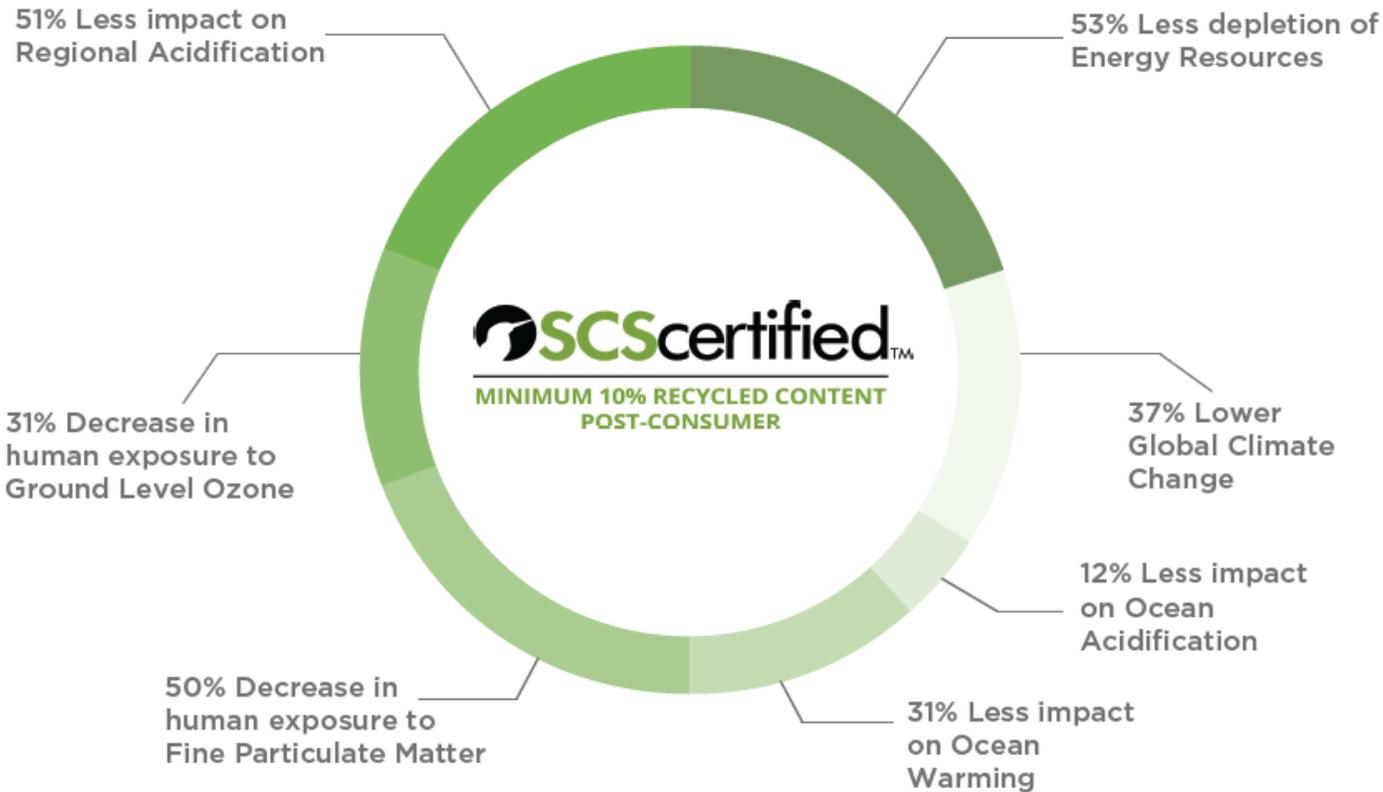
...and Certification

All of Revolution Bag stock items and blends are ECOLOGO certified to the UL 126 Standard for Sustainability for Plastic Films & Bags



...and MORE Certification

Compared to non-recycled content liners, the use of Revolution Bag liners can result in...



SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

Revolution Bag
8801 Frazer Pike, Little Rock, AR, United States

For the following product(s):
Hercules Natural (N1 Formula)

This product meets all of the necessary qualifications to be certified for the following claim:
Minimum 94% Post-Consumer Recycled Plastic Resin Content (dry weight basis). Made with 100% Post-Consumer Recycled Resin Material.

Conforms to the SCS Recycled Content Standard V6-0

Registration # SCS-MC-03259
Valid from: October 1, 2014 to September 30, 2015

Robert J. Hughes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

Revolution Bag
8801 Frazer Pike, Little Rock, AR, United States

For the following product(s):
Hercules Black (B1 Formula)

This product meets all of the necessary qualifications to be certified for the following claim:
Minimum 91% Post-Consumer Recycled Plastic Resin Content (dry weight basis). Made with 100% Post-Consumer Recycled Resin Material.

Conforms to the SCS Recycled Content Standard V6-0

Registration # SCS-MC-03258
Valid from: October 1, 2014 to September 30, 2015

Robert J. Hughes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

Delta Plastics of the South LLC
5201 South Main Street, Stuttgart, AR, United States

For the following product(s):
LDPE/LLDPE Plastic Resin Pellets

This product meets all of the necessary qualifications to be certified for the following claim:
100% Post-consumer Recycled Plastic Resin Content
Conforms to the SCS Recycled Content Standard V6-0

Registration # SCS-MC-01084
Valid from: October 1, 2014 to September 30, 2015

Robert J. Hughes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

Revolution Bag
8801 Frazer Pike, Little Rock, AR, United States

For the following product(s):
Institutional Can Liners

This product meets all of the necessary qualifications to be certified for the following claim:
Minimum 10% Post-Consumer Recycled Plastic Resin Content
Conforms to the SCS Recycled Content Standard V6-0

Registration # SCS-MC-02853
Valid from: October 1, 2014 to September 30, 2015

Robert J. Hughes, Ph.D., Executive Vice President
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA



About Our Bags

Manufacturing capabilities

- ▶ Film
 - ▶ LLDPE (linear low density polyethylene)
 - ▶ Stock items are star sealed and perforated on a coreless roll
- ▶ Thickness
 - ▶ 0.3 mil (7.6 micron) to 1.75 mil stocked
 - ▶ Custom thickness up to 6 mil



About Our Bags

Matching what is important to you

- ▶ Color
 - ▶ Natural, black, white, green, blue and red stocked - custom colors available
 - ▶ Natural bags with contact clarity are the clear alternative
- ▶ PCR content percentages and load ratings are published on all stock items
- ▶ *All of our liners are competitively priced compared to virgin bags*
- ▶ *Price stability because we manufacture our own resin!*

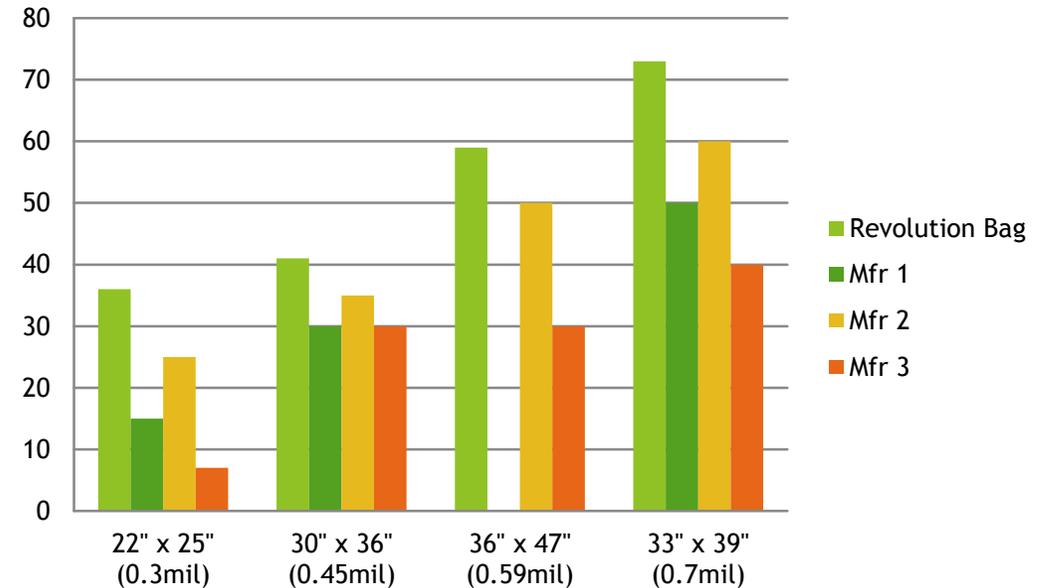


Why Revolution Bag Liners?

PCR resin is not just a buzz word

- ▶ Superior performance
 - ▶ Blended with Super Hexene
 - ▶ Compare load ratings →
- ▶ ECOLOGO Certified
- ▶ Exceeds EPA guidelines
- ▶ Meets USGBC LEED specifications
- ▶ Life-Cycle Assessment results are available for review
- ▶ Quality performance, priced competitively, and green!

LLDPE Published Dry Weight Load Comparison Ratings (lbs)





Join the Revolution!

revolutionbag.com

1.800.277.9172

