



**Starting a Revolution**



# Revolution Bag

*Starting a Revolution*

- ▶ Who We Are
- ▶ What We Do
- ▶ Understanding Green Claims
- ▶ Green Claims, Sustainability and Certification
- ▶ About Our Bags
- ▶ Why Revolution Bag



# 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



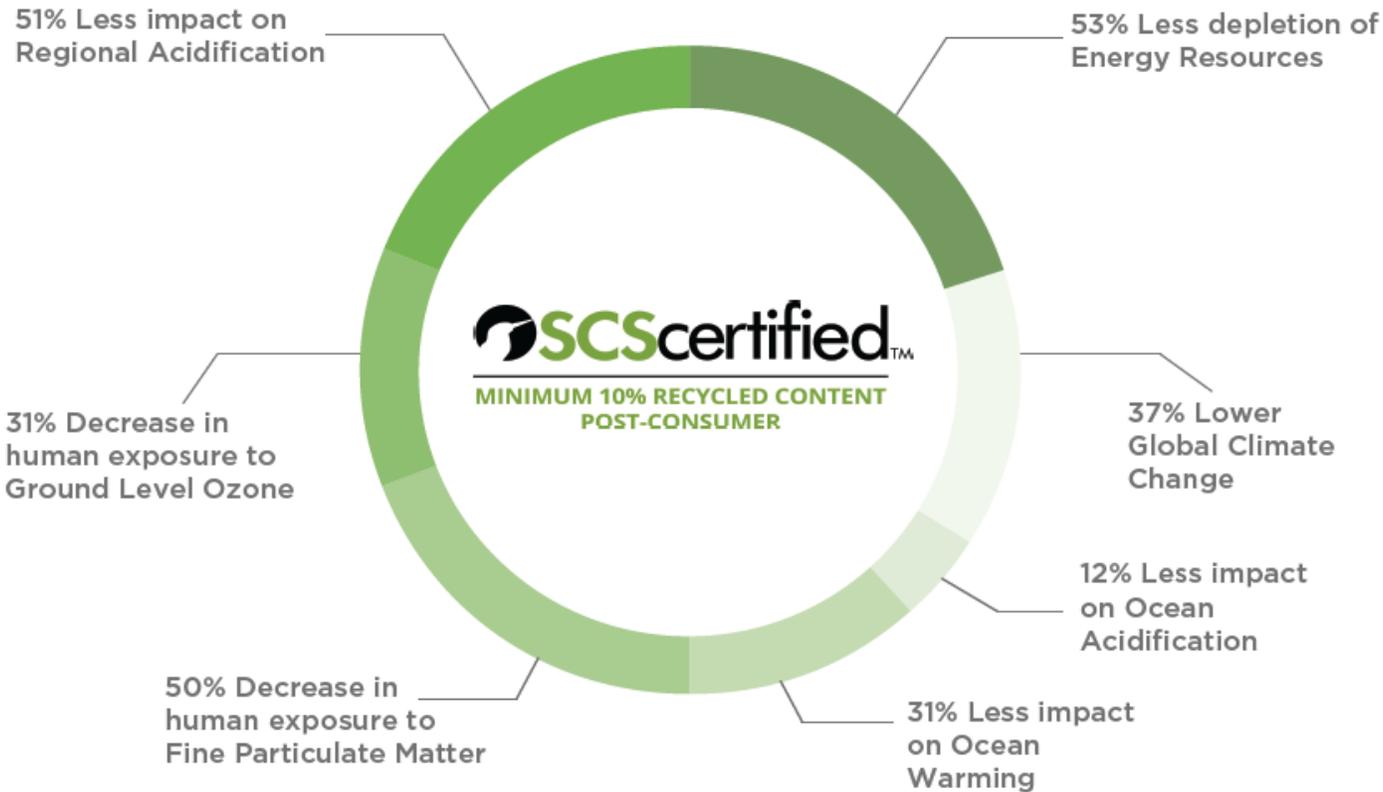
## ...and Certification

*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

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

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

**Delta Plastics of the South LLC**  
3201 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

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



# 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!*

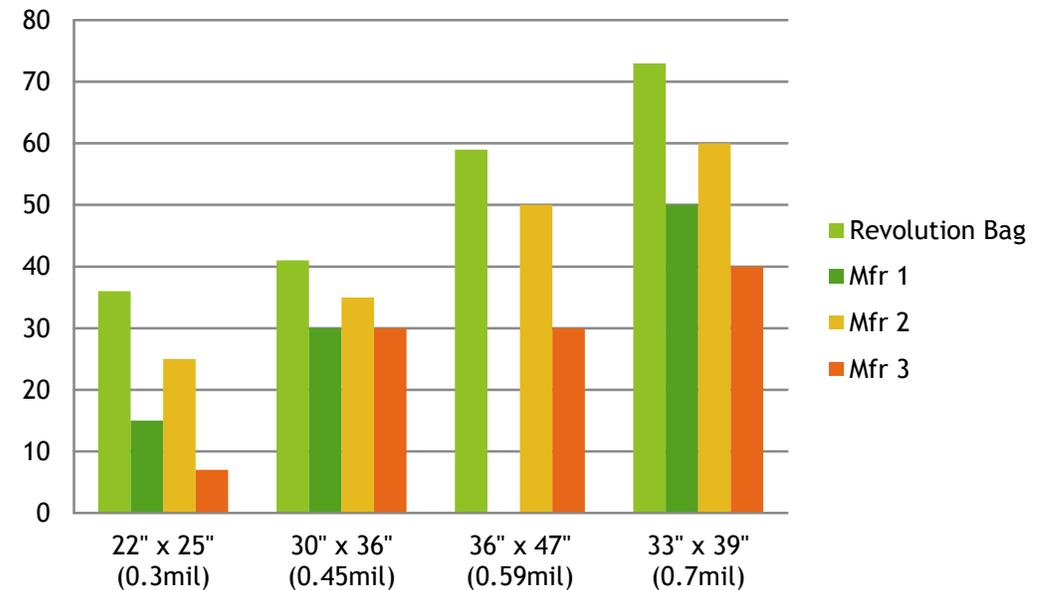


# Why Revolution Bag Liners?

*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](http://revolutionbag.com)

1.800.277.9172

