OVERVIEW

• Who is KW Plastics
• End Market Demand
• Challenges
• Contamination
• Conclusion
World’s largest plastics recycler
- HDPE and PP postconsumer resin supplier
- 650,000,000 lbs extrusion capacity
- 150,000,000 lbs total silo capacity

Private company, HQ in Troy, Alabama
- KW Plastics-Troy, KW Plastics-California, KW Recycling Division
- Affiliate companies-Wiley Sanders Trucklines, KW Container (5 locations)
- 35 yrs. experience in plastics recycling + injection molding with PCR
END MARKETS
Raw Materials

**HDPE (#2) BALES**
- Natural  blow mold grade | postconsumer
- Pigmented / Mixed Color  blow mold grade | postconsumer
- Bulky Rigid  injection grade | postconsumer + post industrial

**PP (#5) BALES**
- Tubs & Lids  mixed grades | postconsumer
- Post Industrial  mixed grades | post industrial
- FIBC Bags  fiber grade | post industrial | flexible
NATURAL
HDPE Bales

High Density Polyethylene Bales-Natural

Post-Consumer, Blow mold grade, Homopolymer
Examples may include: natural (without pigment) bottles, primarily milk and water

COMPOSITION + QUALITY STANDARDS
A natural HDPE bale should contain homopolymer (natural), blow mold grade, post consumer bottles and be baled separately from mixed color or pigmented bottles which have a separate spec.

Bales may measure 3 x 4 x 5", 4 x 6 x 4" or other standard size and should be secured with 10-12 gauge galvanized baling wire or other non-corroding strapping. Bales should not be stored outside, uncovered any longer than four weeks prior to shipment. Cardboard may be used to prevent exposure and maintain bale integrity.

Any items that previously contained hazardous material, residue and/or medical waste will be rejected.

CONTAMINANTS
> Paper, cardboard and metal
> Any plastic not of the specified type: i.e. PET, PVC, LDPE, PP, PS, or Other (may be marked as #7) film
> More than 2% of any other material that is not plastic: i.e. wood, styrofoam, rubber, liquid, paint or other residuals, etc.
> Excessive amount of debris (sand, rocks, dirt, etc.) or moisture
> Heavy bale residue, grease or grime
> Industrial cooking oil containers can be included in mixed color bales
> Any plastic that has deteriorated from sun or weather exposure
> Injection grade plastics (bulky rigid) wide-mouth containers, crates, buckets, etc. There are separate specs for this material.

PRICING
All prices are FOB selling point unless otherwise agreed. Base price per pound is determined by freight expense, material quality and a truck load weight of 40,000 pounds (see freight charges). All trucks are weighed empty and full on scales calibrated to 10 lb. accuracy, KW weight governs settlement. Price reductions/freight charge may apply.

REJECTIONS + PRICE ADJUSTMENTS
Material purchased not meeting quality standards so as to render the material difficult to process or completely unmanageable will be subject to price adjustments or rejection. If a load or partial load is rejected due to non-conformity to specifications, the material supplier shall be responsible for any and all additional costs resulting from the rejection of such load including, but not limited to inbound/outbound shipping, demurrage, additional labor charges, landfill fees and other associated costs. Arrangements to pick-up or return rejected material must be made in a timely manner to avoid additional demurrage charges.

NET WEIGHT
35,000 lbs
34,900 lbs

KW PURCHASING DEPARTMENT
Billy Jefcoat, 334-770-4420  billyjefcoat@kwplastics.com
Andy Johnson, 334-770-4417  ajohnson@kwplastics.com
Jason Richburg, 334-808-3202  jason@kwplastics.com
Daron Warren, 334-770-4438  dwarren@kwplastics.com

KW PLASTICS IS THE INTERNATIONAL LEADER IN HIGH DENSITY POLYETHYLENE BALE RECOP.
PIGMENTED HDPE Bales

High Density Polyethylene Bales-Pigmented

Post-Consumer, Blow mold grade, Co-polymer
Examples may include: mixed color household bottles, white & yellow milk jugs

COMPOSITION + QUALITY STANDARDS

A pigmented/ mixed color HDPE bale should contain colored (including white), post consumer bottles.

Bales may measure 3x6x5' - 4x6x4' or other standard size and should be secured with 10-12 gauge galvanized baling wire or other non-corroding strapping. Bales should not be stored outside, uncovered any longer than four weeks prior to shipment. Cardboard may be used to prevent exposure and maintain bale integrity.

Any items that previously contained hazardous material, residue and/or medical waste will be rejected.

CONTAMINANTS

> Paper, cardboard and metal
> Any plastic not of the specified type: i.e., PET, PVC, LDPE, PP, PS, or Other (may be marked as #7, #3, #5, etc.)
> More than 2% of any other material that is not plastic: i.e., wood, styrofoam, rubber, lead, paint or other residuals, etc.
> Excessive amount of debris (sand, rocks, dirt, etc.) or moisture; heavy bale residue, grease or grime.
> More than 4% of total bale weight of automotive oil containers, must be thoroughly drained and rinsed. Any insecticide or other chemical bottles are unacceptable and may be grounds for penalty.
> Any plastic that has deteriorated from sun or weather exposure
> Injection grade plastics (bulky rigid)--wide mouth containers, crates, buckets, etc. There are separate specs for this material.

PRICING

All prices are FOB selling point unless otherwise agreed. Base price per pound is determined by freight expense, material quality and a truck load weight of 40,000 pounds (may be freight charges). All trucks are weighed empty and full on scales calibrated to 10 lb. accuracy, KW weights govern settlement. Price reductions/ freight charge may apply.

REJECTIONS + PRICE ADJUSTMENTS

Material purchased not meeting quality standards so as to render the material difficult to process or completely unmanageable will be subject to price adjustments or rejection. If a load or partial load is rejected due to non-conformity to specifications, the material supplier shall be responsible for any and all additional costs resulting from the rejection of such load including, but not limited to inbound and outbound shipping, demurrage, additional labor charges, landfill fees and other associated costs. Arrangements to pick up or return rejected material must be made in a timely manner to avoid additional demurrage charges.

FREIGHT CHARGES

NET WEIGHT
35,000 lbs
54,000 lbs

KW PURCHASING DEPARTMENT

Billie Jefcoat 334-770-4420  billie.jefcoat@kwplastics.com
Andy Johnson, 334-770-4417  ajohnson@kwplastics.com
Jason Richburg 334-808-3202  jason@kwplastics.com
Daron Warren 334-770-4438  dwarren@kwplastics.com

KW PLASTICS IS THE INTERNATIONAL LEADER IN HIGH DENSITY POLYETHYLENE AND PLASTIC RECYCLING. WE ARE CURRENTLY SEEKING HIGH DENSITY POLYETHYLENE (HDPE) AND LOW DENSITY POLYETHYLENE (LDPE) BALE FOR RECYCLING. IF YOU ARE ACTIVELY SEEKING A DOWNSIDED MARKET, WE ARE INTERESTED IN DISCUSSING YOUR OPTIONS.
Post-Consumer Polypropylene Tubs & Lids Bales

PP thermofill examples: yogurt cups, margarine tubs & lids, drink cups, clam shells, food trays
PP blow mold examples: hot-fill jugs and bottles (i.e. ketchup, tea, juice)

COMPOSITION + QUALITY STANDARDS
A PP Tubs & Lids Bales, as defined by KW Plastics, should container post-consumer PP. We anticipate and accept up to 2% LDPE within the bale. All metal components should be removed.

Bales may measure 3x4x5', 4x4x4' or other standard size and should be secured with 10-12 gauge galvanized baling wire or other non-corroding strapping. Bales should not be stored outside, uncovered any longer than four weeks prior to shipment. Cardboard may be used to prevent exposure and maintain bale integrity.

CONTAMINANTS
- Paper, cardboard and metal
- More than 4% of bale weight of plastic not of the specified type: i.e., PET, PVC, PS, film or fiber
- More than 2% of any other material that is not plastic: i.e., metal, styrofoam, paper, cardboard, wood, rubber, liquid, paint or other residuals, etc.
- Excessive amount of debris (sand, rocks, dirt, etc.) or moisture
- Heavy bale residue, grease or grime
- Any plastic that has deteriorated from sun or weather exposure

PRICING
All prices are FOB selling point unless otherwise agreed. Base price per pound is determined by freight expense, material quality and a truck load weight of 40,000 pounds (see freight charges). All trucks are weighed empty and full on scales calibrated to 10 lb. accuracy. KW weighs govern settlement. Price reductions/ freight charge may apply.

REJECTIONS + PRICE ADJUSTMENTS
Material purchased not meeting quality standards so as to render the material difficult to process or completely unmanageable will be subject to price adjustments or rejection. If a load or partial load is rejected due to non-conformity to specifications, the material supplier shall be responsible for any and all additional costs resulting from the rejection of such load including, but not limited to inbound/outbound shipping, demurrage, additional labor charges, landfill fees and other associated costs. Arrangements to pick up or return rejected material must be made in a timely manner to avoid additional demurrage charges.

KWR PURCHASING DEPARTMENT
Billy Jefcoat 334-770-4420  billy.jefcoat@kwplastics.com
Andy Johnson, 334-770-4417  ajohnson@kwplastics.com
Jason Richburg 334-608-3202  jason@kwplastics.com
Daron Warren 334-770-4438  dwarren@kwplastics.com

KW PLASTICS IS THE INTERNATIONAL LEADER IN HIGH DENSITY POLYETHYLENE AND RECYCLED PLASTIC PRODUCTS. All materials purchased are for recycling. For more information, please visit www.kwplastics.com.
FIBC
Postconsumer PP Bales

Polypropylene FIBC Bales
Post-Consumer and Post-Industrial
Examples may include: bulk bags used for dry goods such as granules, resin, seeds, peanuts, starch, etc.

COMPOSITION + QUALITY STANDARDS
An flexible intermediate bulk container (FIBC) bale should contain woven bulk bags. We understand the bale will likely contain other plastic components such as nylon, PET and LDPE. These contaminants should be kept to a minimum.

Bales may measure 3x4x5’, 4x6x4’ or other standard size and should be secured with 10-12 gauge galvanized binding wire or other non-corrosive strapping. Bales should not be stored outside, uncovered any longer than four weeks prior to shipment.

Any items that previously contained hazardous material, residue and/or medical waste will be rejected.

CONTAMINANTS
> Paper, cardboard and metal
> Any plastic not of the specified type: i.e., PET, HDPE, PVC, LDPE, PS, Other (may be marked as #7)
> More than 2% of any other material that is not plastic: i.e., wood, styrofoam, wood, rubber, liquid paint or other residuals, etc.
> Excessive amount of debris (sand, rocks, dirt, etc.) or moisture
> Foil Liners
> Free flowing material
> Chemicals and/or additives: i.e., carbon black, super absorbent polymers, frac sand, etc.
> Any plastic that has deteriorated from exposure to sun

PRICING
All prices are FOB selling point unless otherwise agreed. Base price per pound is determined by freight expense, material quality and a truck load weight of 40,000 pounds (see freight charges). All trucks are weighed empty and full on scales calibrated to ±10 lb. accuracy. KW weights govern settlement. Price reductions/freight charge may apply.

REJECTIONS + PRICE ADJUSTMENTS
Material purchased not meeting quality standards so as to render the material difficult to process or completely unmanageable will be subject to price adjustments or rejection. If a load or partial load is rejected due to non-conformity to specifications, the material supplier shall be responsible for any and all additional costs resulting from the rejection of such load including, but not limited to inbound/outbound shipping, demurrage, additional labor charges, landfill fees and other associated costs. Arrangements to pick up or return rejected material must be made in a timely manner to avoid additional demurrage charges.

FREIGHT CHARGES
NET WEIGHT
19,000 lbs
20,000 lbs

KW PURCHASING DEPARTMENT
Billy Jeftout 334-770-4450 billy.jeftout@kwplastics.com
Andy Johnson, 334-770-4417 ajohnso@kwplastics.com
Jason Richburg 334-808-3202 jason@kwplastics.com
Daron Warren 334-770-4438 dwarren@kwplastics.com

KW PLASTICS IS THE INTERNATIONAL LEADER IN HIGH DENSITY POLYETHYLENE AND POLYPROPYLENE FIBER BAGS, BOTTLES, STRONG BUNGS, AND SADDLE BAGS. WE ARE A DIVERSIFIED PLASTIC RECYCLER AND MANUFACTURER. FOR MORE INFORMATION, PLEASE VISIT WWW.KWPLASTICS.COM

KW Purchasing Spec PP FIBC Bales 20180629 v2
DEMAND
Final Product & Applications

Premium postconsumer resins to
• Automotive
• Beauty & Personal Care
• Pipe
• Paint & Coatings
• Agriculture
• Packaging & Sheet
DEMAND
Applications
CHALLENGES
Obstacles & Issues

- Contamination
- Shortage in Supply
- Mixed Messages re: domestic markets
- Demand exceeds supply
- Under utilized capacity
KW Plastics purchases HDPE and PP every day
Domestic end markets are strong and reliable
We always need more, better material
Demand for quality applications exceeds supply
Plastics have more value when recycled
KW IS READY TO GROW WITH YOU!

www.kwplastics.com

ANDY JOHNSON
Raw Materials Procurement
ajohnson@kwplastics.com
334.770.4417