

Plastic Film Scrap Specifications

General Non-Source-Specific Categories

PE Clear Film (Grade A)

Description: Any mix of clear or natural polyethylene film, Low-Density Polyethylene (LDPE) or Linear Low-Density Polyethylene (LLDPE), totaling at least 95% clear or natural polyethylene film is acceptable. Films may be coded with ASTM D7611 resin identification code "#4, LDPE/LLDPE." Includes stretch wrap, shrink wrap, and clear, natural bags.

Product: Polyethylene film

Source: Sorted film generated after meeting its intended use from commercial establishments

Contamination: Total contamination should not exceed 5% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 1% by weight of any of the following "individual" contaminants, unless noted otherwise.

- Clear/natural HDPE (#2) film
- Labels
- Lightly printed film packaging (less than 5% of surface covered in ink)
- Plastic strapping and rubber bands
- Cardboard endcaps
- Moisture residues

- Colored and heavily printed polyethylene films
- Any non-PE films, metallized films, or multi-material pouches
- PE film packaging exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE/LLDPE (#4), PP (#5), PS (#6), Other (#7) and compostable plastic (e.g., PLA and PHA)
- Any bulky rigid plastic
- Any plastic foam
- Food waste
- Free-flowing liquids
- Loose paper, cardboard (OCC)





- Textiles
- Metal, Wood, Glass
- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g., syringe, sharps, gloves, masks)
- Rocks, stones, mud, oils, grease

General: Refer to the General Information section for additional information.

PE Clear Film (Grade B)

Description: Any mix of polyethylene film, Low-Density Polyethylene (LDPE) or Linear Low-Density Polyethylene (LLDPE), totaling at least 80% clear or natural polyethylene film is acceptable. Films may be coded with ASTM D7611 resin identification code "#4, LDPE/LLDPE." Up to 20% colored and printed polyethylene film is acceptable.

Product: Polyethylene film

Source: Sorted film generated after meeting its intended use from commercial establishments

Contamination: Total contamination should not exceed 10% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 2% by weight of any of the following "individual" contaminants, unless noted otherwise.

- HDPE (#2) film (10% allowable)
- Labels
- Plastic strapping and rubber bands
- Rigid or foam PE (HDPE #2 or LDPE #4)
- Loose paper, cardboard (OCC), including cardboard endcaps
- Moisture residues

- Any non-PE films, metallized films, or multi-material pouches
- PE film packaging exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film

- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), PP (#5), PS (#6), Other





(#7) and compostable plastic (e.g. PLA and PHA)

- Any bulky rigid plastic
- Any non-PE plastic foam
- Food waste
- Free-flowing liquids
- Textiles

- Metal, Wood, Glass
- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g. syringe, sharps, gloves, masks)
- · Rocks, stones, mud, oils, grease

General: Refer to the General Information section for additional information.

PE Film (Grade C)

Description: Any mix of clear/natural, color or printed polyethylene film, Low-Density Polyethylene (LDPE), Linear Low-Density Polyethylene (LLDPE) and/or High-Density Polyethylene (HDPE). Films may be coded with ASTM D7611 resin identification code "#4, LDPE/LLDPE or #2 HDPE". There is a wide variability of what is sold under this specification, which could include a high level of contamination. Buyers and sellers should be very explicit about their requirements and offerings.

PE Colored Film

Description: Any mixture of mixed color, clear/natural and printed Low-Density Polyethylene (LDPE) and Linear Low-Density Polyethylene (LLDPE) film with limited label contamination is acceptable. More than 20% by weight is expected to be colored film. Films may be coded with ASTM D7611 resin identification code "#4, LDPE/LLDPE."

Product: Colored Polyethylene Film

Source: Sorted film generated after meeting its intended use from commercial establishments

Contamination: Total contamination should not exceed 5% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 2% by weight of any of the following "individual" contaminants, unless noted otherwise.

- HDPE (#2) film (5% allowable)
- Labels
- Plastic strapping and rubber bands





- Rigid or foam PE (HDPE #2 or LDPE #4)
- Cardboard endcaps
- Moisture residues

CONTAMINANTS NOT ALLOWED: If present, these contaminants may result in rejection.

- Any non-PE films, metallized, or multimaterial pouches
- PE film packaging exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), PP (#5), PS (#6), Other (#7) and compostable plastic (e.g. PLA and PHA)

- · Any bulky rigid plastic
- Any non-PE plastic foam
- Food waste
- Free-flowing liquids
- Loose paper, cardboard (OCC)
- Textiles
- Metal, Wood, Glass
- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g. syringe, sharps, gloves, masks)
- Rocks, stones, mud, oils, grease

General: Refer to the General Information section for additional information.

Categories of Film from Specific Sources

PE Retail Mix Film

Description: Polyethylene stretch wrap, shrink wrap or other film generated by retailers back-of-house, and any polyethylene bag and overwrap accepted by retailers from their customers may be included. Bags, wraps and film may be mixed color or printed and are a mix of High-Density Polyethylene (HDPE), Low-Density polyethylene (LDPE) and Linear Low-Density Polyethylene (LLDPE) films. Films may be coded with ASTM D7611 resin identification code "#2, HDPE" and "#4, LDPE/LLDPE."

Product: Mixed PE Film

Source: Post-consumer material collected from a mix of post-commercial and residential post-consumer sources

Contamination: Total contamination should not exceed 10% by weight.





ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 2% by weight of any of the following "individual" contaminants, unless noted otherwise.

- Labels
- Any non-PE films, metallized films, or multi-material pouches
- Loose paper, cardboard (OCC), including cardboard endcaps
- Plastic strapping and rubber bands
- Moisture residues
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE/LLDPE (#4), PP (#5), PS (#6), Other (#7) and compostable plastic (e.g. PLA and PHA)
- Hangers
- Cleaning wipes
- Twine or tape

CONTAMINANTS NOT ALLOWED: If present, these contaminants may result in rejection.

- PE films packaging or exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any bulky rigid plastic
- Any plastic foam

- Food waste
- Free-flowing liquids
- Textiles
- Metal, Wood, Glass
- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g. syringe, sharps, gloves, masks)
- · Rocks, stones, mud, oils, grease

General: Refer to the General Information section for additional information.

PE Furniture Mix Film

Description: Any mixture of natural Low-Density Polyethylene (LDPE) film used for sofa overwrap, bubble wrap, mattress bags, and Linear Low-Density Polyethylene (LLDPE) stretch film and polyethylene thin foam, which is white and gray foam backed with LDPE film. Color contribution can be only from the white foam, gray foam backed with LDPE film, and blue mattress bags. The mass shall consist of 70% to 80% LDPE and/or LLDPE films and the remaining 20-30%, polyethylene foam. Films may be coded with ASTM D7611 resin identification code "#4, LDPE/LLDPE."





Product: LDPE or LLDPE Film and Foam

Source: Sorted Film generated after meeting its intended use from commercial establishments

Contamination: Total contaminants should not exceed 10% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 5% by weight of any of the following "individual" contaminants, unless noted otherwise.

- Non-polyethylene other plastics such as non-woven PP, EPS, TPU
- HDPE (#2) film
- Labels
- Loose paper, cardboard (OCC), including cardboard endcaps
- Moisture residues (2% maximum)
- Wood
- Miscellaneous small metal such as screws

CONTAMINANTS NOT ALLOWED: If present, these contaminants may result in rejection.

- Any non-PE films, metallized, or multimaterial pouches
- PE film packaging exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE/LLDPE (#4), PP

- (#5), PS (#6), Other (#7) and compostable plastic (e.g. PLA and PHA)
- Any bulky rigid plastic
- Food waste
- Free-flowing liquids
- Textiles
- Metal, Glass
- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g. syringe, sharps, gloves, masks)
- Rocks, stones, mud, oils, grease

General: Refer to the General Information section for additional information.

PE Agricultural Film (Grade A)

Any mixture of High-Density Polyethylene (HDPE), Low-Density Polyethylene (LDPE) and Linear Low-Density Polyethylene (LLDPE) film that has not been used on the ground for





agriculture or farming and that has limited soil or vegetation contact is acceptable. Examples are greenhouse film and hoophouse film. Films may be coded with ASTM D7611 resin identification code "#2, HDPE" or "#4, LDPE/LLDPE."

Product: PE Film.

Source: PE film from agricultural sources

Contamination: Total contamination should not exceed 20% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 5% by weight of any of the following "individual" contaminants, unless noted otherwise.

- PE film used on the ground for agriculture or farming
- Moisture residues
- Wood
- Paper or Cardboard (OCC)
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE/LLDPE (#4), PP (#5), PS (#6), Other (#7) and compostable plastic (e.g. PLA and PHA)
- Plastic strapping and rubber bands
- Rocks, stones, mud, dirt

- Any non-PE films, metallized, or multi-material pouches
- PE film packaging exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any bulky rigid plastic
- Any plastic foam
- Food waste
- Free-flowing liquids
- Textiles
- Metal, Glass
- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g. syringe, sharps, gloves, masks)
- Oils and Grease





General: Refer to the General Information section for more information.

PE Agricultural Film (Grade B)

Any mixture of High-Density Polyethylene (HDPE), Low-Density Polyethylene (LDPE) and Linear Low-Density Polyethylene (LLDPE) film collected after in-field agricultural use is acceptable. Examples include mulch film, silage film, irrigation (drip) tubing, drip tape, dairy bags, almond film, vine/grape film and bunker silo film. Films may be coded with ASTM D7611 resin identification code "#2, HDPE" or "#4, LDPE/LLDPE."

Product: PE Film.

Source: PE film from agricultural sources

Contamination: Total contamination should not exceed 50% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 5% by weight of any of the following "individual" contaminants, unless noted otherwise.

- Any non-PE films, metallized, or multi-material pouches
- Moisture residues
- Wood
- Paper or Cardboard (OCC)
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE/LLDPE (#4), PP (#5), PS (#6), Other (#7) and compostable plastic (e.g. PLA and PHA)
- Plastic strapping and rubber bands
- Rocks, stones, mud, dirt

- PE film packaging exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any bulky rigid plastic
- Any plastic foam
- Food waste
- Free-flowing liquids
- Textiles
- Metal, Glass





- Batteries
- Electronics scrap, including items with circuit boards or battery packs
- Bio-Medical waste/items (e.g. syringe, sharps, gloves, masks)
- Oils and Grease

General: Refer to the General Information section for more information.

PE MRF Film

Description: Mix of polyethylene bag and overwrap collected from consumers and businesses and sorted at Material Recovery Facilities (MRF), often collected through curbside collection. Bags, wraps, and films may be mixed color or printed and are a mix of High-Density Polyethylene (HDPE), Low-Density Polyethylene (LDPE) and Linear Low-Density Polyethylene (LLDPE). Films may be coded with ASTM D7611resin identification code "#2, HDPE" and "#4, LDPE/LLDPE."

Product: PE Film

Source: Residential post-consumer film collected at Material Recovery Facilities

Contamination: Total contamination should not exceed 35% by weight.

ALLOWABLE CONTAMINANTS AT LOW LEVELS: These contaminants are tolerable at low levels. The following contaminants should not exceed 5% by weight of any of the following "individual" contaminants, unless noted otherwise.

- Non-PE films, metallized, or multi-material pouches (2% maximum)
- Organic/food waste (1% maximum)
- Loose paper, cardboard (OCC), including cardboard endcaps
- Any rigid plastic bottle, container or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE/LLDPE (#4), PP (#5), PS (#6), Other (#7) and compostable plastic (e.g. PLA and PHA)
- Plastic strapping and rubber bands
- Labels
- Aluminum cans



- PE films packaging or exposed to hazardous materials, such as flammable, corrosive or reactive products, pesticides or herbicides
- Silicone coated film
- Film with oxo or bio-degradable additives, PVDC layers, or acrylic coatings
- Any bulky rigid plastic
- Any plastic foam
- Free-flowing liquids
- **Textiles**
- Metal, Wood, Glass
- **Batteries**
- Electronics scrap, including items with circuit boards or battery packs
- Bio-medical waste/items (e.g. syringe, sharps, gloves, masks)
- Rocks, stones, mud, oils, grease

General: Refer to the General Information section for more information.

Specialty Grades

Some specialty grades are regularly traded and use the following names. This list is not comprehensive.

- PE Garment Bag Film
- PE Banana Film
- PE Mulch Bag Film
- PE Cotton Wrap Film
- PE Tire Wrap Film









