

MATERIALS RECOVERY FOR THE FUTURE – rFlex Bale Characterization

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The flexible plastic packaging material mix captured from single stream under the MRFF pilot program will be positively sorted into a MRF **rFlex** product bale for end market uses. The **rFlex** bale composition will vary slightly depending on bag ban conditions in the area where the MRF operates. Below are expected generic and modified bale characterizations.

Bale Characterization (Generic MRF)

Bale is expected to consist of at least 60% single-resin polyethylene films and laminates, including grocery bags, product overwraps, and similar materials; and up to 18% multi-material films, bags, pouches and other laminates with the predominant material consisting of polyethylene and limited contaminants not to exceed the following levels: PET 2%, PVC 1%, metal foil 1%, nylon 1%; and up to 7% single-resin polypropylene films and laminates. A total of 15% paper contamination is allowed.

Allowable materials:

- Single-resin polyethylene films and laminates ($\geq 60\%$)
- Multi-material films and laminates ($\leq 18\%$)
 - Limited PET ($\leq 2\%$)
 - Limited PVC ($\leq 1\%$)
 - Limited metal ($\leq 1\%$)
 - Limited nylon ($\leq 1\%$)
- Single-resin polypropylene films and laminates ($\leq 7\%$)

Allowable levels of contaminants:

- Paper (Not to exceed 15%)

Bale Characterization (Modified for MRFs in Bag Ban area)

Bale is expected to have less (at least 54%) single-resin polyethylene films and laminates, including grocery bags, product overwraps, and similar materials; and up to 22% multi-material films, bags, pouches and other laminates with the predominant material consisting of polyethylene and limited contaminants not to exceed the following levels: PET 2%, PVC 1%, metal foil 1%, nylon 1%; and up to 9% single-resin polypropylene films and laminates. A total of 15% paper contamination is allowed.

Allowable materials:

- Single-resin polyethylene films and laminates ($\geq 54\%$)
- Multi-material films and laminates ($\leq 22\%$)
 - Limited PET ($\leq 2\%$)
 - Limited PVC ($\leq 1\%$)
 - Limited metal ($\leq 1\%$)
 - Limited nylon ($\leq 1\%$)
- Single-resin polypropylene films and laminates ($\leq 9\%$)

Allowable levels of contaminants:

- Paper (Not to exceed 15%)