

## 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%)