

# HDPE Recycling

Films recognized to enhance  
the recyclability of high-density  
polyethylene mono-materials



## A step toward easier HDPE recycling

The recycling of HDPE (high-density polyethylene) containers can be a challenge, especially with limited viable options in the industry that enable it.

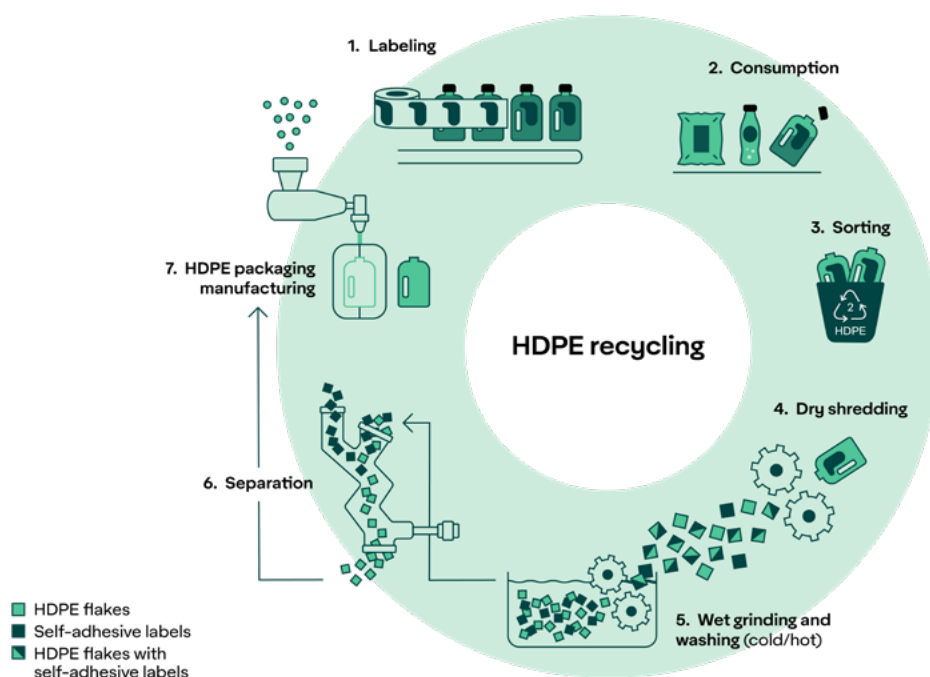
The Avery Dennison portfolio of polypropylene and polyethylene labels with emulsion acrylic adhesives brings HDPE recycling to a new level. As a mono-material approach, it is the first to pass testing and to meet or exceed the strictest APR (Association of Plastic Recyclers) HDPE Critical Guidance criteria.

This recognition gives brands in segments such as personal care, home care, and automotive validation that allows the label to remain on the container during recycling without impacting the overall physical properties of the recycled HDPE pellets.

Our HDPE recycling solutions also support reclosure labels for mono-material packaging, which means flexible packaging such as wet wipes can be recyclable as well when plastic lids are replaced with PS reclosure labels.

Mono-material: A product only composed of a single type of material, therefore, typically easier to recycle than products made of various materials.

## How it works



HDPE plastic can be reused and recycled, making it a sustainable and long-lasting product that has endless applications.

In a conventional recycling process, HDPE is generally separated by resin color, with anything foreign to the bottle (decoration, inks, coatings, etc.) removed, and rigorously cleaned, which then goes through an extrusion process, taking shredded pieces of HDPE plastic and melting them into pellets for later use.

After the extrusion process, the resin will either be downcycled and used in things such as park benches and piping, or recycled back into non-food-grade bottles.

The Avery Dennison HDPE mono-material label eliminates its removal\* during the recycling process, making it an ideal choice for conscious brand owners seeking an efficient labeling solution.

\*Based on unprinted label materials

## Key features

- Allows HDPE recycling and downcycling into rHDPE, which preserves a valuable raw material
- Labels stay with the container during recycling without impacting rHDPE pellets for pigmented applications
- Available in PP, PE, PO film facestocks
- PS label lids enable recyclability of flexible packaging
- Certified by the APR, meeting or exceeding their strictest criteria

## Application areas

HDPE containers used in various segments including personal care, home care, and automotive



Product information

| Code      | Description                                     |
|-----------|-------------------------------------------------|
| BW9579    | PE85 TOP WHITE S692N(EM) BG40WH IMP             |
| AF186     | PE85 TOP WHITE S692N(EM) BG40WH IMP             |
| AF187     | PE85 TOP CLEAR S692N(EM) BG40W FSC              |
| BWS2065   | PE95 NTC WHITE S692N(EM) BG40WH IMP             |
| AG745     | PE100 TOP WHITE S692N(EM) BG40W FSC             |
| AD002     | PRIMAX PLUS S692N(EM) BG40W FSC                 |
| AN196     | DIG INDI PP TOP CLEAR<br>S692N(EM) BG40WH FSC   |
| AP884     | DIG INDI PP TOP WHITE S692N(EM) BG40WH FSC      |
| AW393     | DIGITAL PP GLOSS WBIJ S692N(EM) BG40W FSC       |
| AW404     | DIGITAL PP CLEAR WBIJ S692N(EM) BG40W FSC       |
| AX996     | PRIMAX PLUS S692N(EM) PET30                     |
| AN532     | PP30 WHITE S692N(EM) BG40W FSC                  |
| AQ849     | PP40 TOP WHITE CAVITATED<br>S692N(EM) BG40W FSC |
| SMP2239NF | PP60 TOP WHITE S692N(EM) BG40 WH IMP            |

| Code    | Description                                      |
|---------|--------------------------------------------------|
| AB074   | PP60 TOP WHITE S692N(EM) BG50W FSC               |
| BW8004  | PP60 TOP WHITE S692N(EM) BG40 WH IMP             |
| BW7000  | PP50 NTC CLEAR S692N(EM) BG40WH IMP FSC          |
| 77138N  | PP50 TOP CLEAR S692N(EM) PET30 NI                |
| BW0266T | PP50 TOP CLEAR S692N(EM) BG40W IMP               |
| BW8000  | PP50 TOP CLEAR S692N(EM) BG40B IMP               |
| AL539   | PP60 TOP CLEAR S692N(EM) BG40W FSC               |
| CL346   | PP60 TOP CLEAR S692N(EM) rBG40BR FSC             |
| AF188   | FASCLEAR II S692N(EM) BG40W FSC                  |
| BW8018  | PP60 TC WHITESR3013(EM)<br>CLEANFLAKE BG33WH IMP |
| BW8019  | PP50 TC CLEARSR3013(EM)<br>CLEANFLAKE BG40Y IMP  |
| CJ408   | PP40 CLEAR TC S7400ER CLEANFLAKE PET23           |
| CJ409   | PP50 TOP CLEAR 7400ER(EM)<br>CLEANFLAKE rPET23   |

Find more sustainable label solutions at  
[label.averydennison.com](https://label.averydennison.com)



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