

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

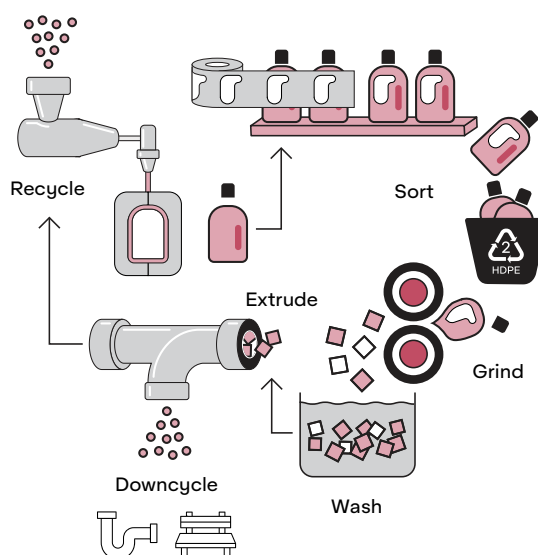
HDPE plastic can be reused and recycled, making it a sustainable and long-lasting product that has endless applications.

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 removal¹ 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	Code	Description
BW9579	PE85 TOP WHITE S692N(EM) BG40WH IMP	AB074	PP60 TOP WHITE S692N(EM) BG50W FSC
AF186	PE85 TOP WHITE S692N(EM) BG40WH IMP	BW8004	PP60 TOP WHITE S692N(EM) BG40 WH IMP
AF187	PE85 TOP CLEAR S692N(EM) BG40W FSC	BW7000	PP50 NTC CLEAR S692N(EM) BG40WH IMP FSC
BWS2065	PE95 NTC WHITE S692N(EM) BG40WH IMP	77138N	PP50 TOP CLEAR S692N(EM) PET30 NI
AG745	PE100 TOP WHITE S692N(EM) BG40W FSC	BW0266T	PP50 TOP CLEAR S692N(EM) BG40W IMP
AD002	PRIMAX PLUS S692N(EM) BG40W FSC	BW8000	PP50 TOP CLEAR S692N(EM) BG40B IMP
AN196	DIG INDI PP TOP CLEAR S692N(EM) BG40WH FSC	AL539	PP60 TOP CLEAR S692N(EM) BG40W FSC
AP884	DIG INDI PP TOP WHITE S692N(EM) BG40WH FSC	CL346	PP60 TOP CLEAR S692N(EM) rBG40BR FSC
AW393	DIGITAL PP GLOSS WBIJ S692N(EM) BG40W FSC	AF188	FASCLEAR II S692N(EM) BG40W FSC
AW404	DIGITAL PP CLEAR WBIJ S692N(EM) BG40W FSC	BW8018	PP60 TC WHITESR3013(EM) CLEANFLAKE BG33WH IMP
AX996	PRIMAX PLUS S692N(EM) PET30	BW8019	PP50 TC CLEARSR3013(EM) CLEANFLAKE BG40Y IMP
AN532	PP30 WHITE S692N(EM) BG40W FSC	CJ408	PP40 CLEAR TC S7400ER CLEANFLAKE PET23
AQ849	PP40 TOP WHITE CAVITATED S692N(EM) BG40W FSC	CJ409	PP50 TOP CLEAR 7400ER(EM)CLEANFLAKE rPET23
SMP2239NF	PP60 TOP WHITE S692N(EM) BG40 WH IMP		

Find more label solutions at label.averydennison.com

Connect with us on:   



DISCLAIMER – All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.averydennison.com>. © 2023 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its contents and product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part of purposes other than marketing by Avery Dennison.