



The Association of Plastic Recyclers

Plastic Packaging Innovation Recognition

Updated July 2019

APR's recognition of Critical Guidance constitutes a significant step in demonstrating overall recyclability. APR's recognition of Applications Guidance is the highest recognition APR has to recognize the recyclability of a packaging innovation. The following companies are recognized as meeting or exceeding the most strict requirements of the appropriate testing protocol.

Polymer and Blends:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>Eastman Chemical Company</i>	ParaStar™ 7000 PET resin	October 16, 2008
<i>Wellman, Incorporated (DAK America LLC)</i>	PermaClear® Ti842 PET resin	October 16, 2008
<i>Mitsubishi Chemical Corporation</i>	BK6180 PET resin	April 17, 2009
<i>Auriga Polymers Inc. (Indorama Ventures)</i>	PolyClear® EBM PET 5505 resin	April 8, 2010 and February 3, 2011
<i>DAK America LLC</i>	Array™ EBM 5860 PET resin	June 22, 2012
<i>DAK America LLC</i>	Array™ EBM 5861 PET resin	June 22, 2012
<i>Eastman Chemical Company</i>	Aspira™ One PET resin	July 12, 2012
<i>Auriga Polymers Inc. (Indorama Ventures)</i>	PolyClear® EBM PET 5506 resin	June 23, 2014
<i>DAK Americas LLC</i>	Array™ EBM PET 5862 resin	October 21, 2014
<i>Auriga Polymers Inc. (Indorama Ventures)</i>	PolyClear® EBM PET 5507 resin	May 13, 2015



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Company	Innovation Product	Date issued
<i>Eastman Chemical Company</i>	Eastar™ polyester EB001	November 5, 2015

Polymer and Blends:

Applications Guidance Recognition

Company	Innovation Product	Date issued
<i>Auriga Polymers Inc. (Indorama Ventures)</i>	Extrusion blow molded bottle made of Polyclear® EBM PET 5505 resin	October 21, 2011
<i>Procter & Gamble Company</i>	Febreze® 2 L Fabric Refresher container made of recycled HDPE resin	April 25, 2012

Additives:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>ColorMatrix Corporation</i>	Oxygen scavenger: HyCat liquid catalyst additive at 0.10 % use concentration in PET, Ultimate UV390™ additive at 0.15% use concentration in PET, and the combination of HyCat at 0.10% and Ultimate UV390™ at 0.16% use concentrations in PET.	March 3, 2011
<i>ColorMatrix Europe Ltd</i>	SmartHeat RHC reheat additive for PET bottles	June 25, 2019



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Company	Innovation Product	Date issued
<i>Milliken & Company</i>	Millad® NX™ 8000 clarifier for polypropylene packaging and objects	July 29, 2019

Additives:

Bottle-to-Bottle Protocol Recognition

Company	Innovation Product	Date issued
<i>ColorMatrix Europe Ltd</i>	SmartHeat RHC reheat additive for PET bottles	June 25, 2019

Labels – Sleeve:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>Polysack Flexible Packaging Ltd</i>	Polyphane™ FitSleeve label with 527 ink system	May 13, 2014
<i>Avery Dennison Corporation</i>	CleanFlake™ roll fed sleeve label	May 21, 2014
<i>American Fuji Seal</i>	Alpha shrink film FVH2-05 and non-bleeding ink system IA1-L	May 23, 2014
<i>UPM Raflatac</i>	RafShrink PO MDO 40 and RafShrink PO MDO 40 HS undecorated sleeve labels	June 24, 2014
<i>Sleever International</i>	LDPET shrink sleeve label	October 20, 2014



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<i>Klöckner Pentaplast</i>	Pentalabel® ClearFloat™ LC8CF and TC8CF (previously referenced as LC8CV and TC8CV) series of films for sleeve labels	July 27, 2017 (June 26, 2015)
Company	Innovation Product	Date issued
<i>SKC Incorporated</i>	SKC Ecolabel™ film used with MCC DNX53™ inks	July 29, 2016
<i>MultiColor Corp.</i>	Multi-Color recycLABEL™ Clear (HSLPE10002) shrink sleeve label with white, yellow, magenta, cyan, and black decoration	October 12, 2016
<i>UPM Raflatac</i>	RAFSHRINK PO MDO 40 LS undecorated sleeve label and UPM Raflatac RAFSHRINK PO TDO 45 HS undecorated sleeve label	December 5, 2016
<i>Taghleef Industries Inc. and Brook & Whittle Limited</i>	TDS65 45 micron floatable sleeve label gravure printed by Brook & Whittle Ltd.'s CMYK process with 2 spot colors backed by white.	March 17, 2017
<i>Fort Dearborn Company</i>	Recycle Friendly washable ink system	June 13, 2019

Labels and Adhesives – Pressure Sensitive and Others:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>Spear Incorporated</i>	Spear®RC clear #11581 and	November 21, 2013



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	Spear [®] RC white #11582 pressure sensitive labels made with clear and white BOPP and an acrylic emulsion adhesive	
Company	Innovation Product	Date issued
<i>The Kennedy Group</i>	PureVue™ white or clear recyclable pressure sensitive labels	May 9, 2014
<i>CCL Label GmbH</i>	LD-PSL (Low Density – Pressure Sensitive Label) System. Both transparent and an opaque white label solutions.	December 10, 2015
<i>UPM Raflatac</i>	Clear or white BOPP undecorated pressure sensitive labels comprised of RW85C acrylic emulsion adhesive covering 40% or less of the area of a bottle,	June 20, 2016
<i>MultiColor Corp.</i>	Multi-Color recycLABEL™ Clear (PSPL78411), Multi-Color recycLABEL™ Clear (PSPL78413), Multi-Color recycLABEL™ White (PSPL78412), and Multi-Color recycLABEL™ White (PSPL78414) pressure sensitive labels with white, black, yellow, red, and blue decoration covering 40% or less of the area of a PET bottle.	June 20, 2016
<i>Eastman Chemical Company</i>	<i>Eastman Embrace Encore[®]</i> clear crystallizable polyester	December 17, 2018



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	film substrate resin and <i>Eastman Embrace Float</i> [®] white floatable polyester film substrate resin for shrink sleeve labels	
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Direct Printed Labels:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>Plastipak Packaging, Inc.</i>	Plastipak four color Direct Object Printing™ technology with 2.5% and less surface coverage for PET bottles	May 8, 2014
<i>Plastipak Packaging, Inc.</i>	Plastipak two color Direct Object Printing™ technology with 0.6% and less surface coverage on a pigmented copolymer HDPE bottle.	October 17, 2014
<i>Plastipak Packaging, Inc.</i>	Plastipak four color (white, cyan, magenta, yellow, and black) Direct Object Printing™ technology with 70% and less surface coverage for PET bottles,	June 16, 2016
<i>Plastipak Packaging, Inc.</i>	Plastipak four color (white, cyan, magenta, yellow, and black) Direct Object Printing™ technology with 70% and less surface coverage on pigmented copolymer HDPE bottles	June 16, 2016
<i>Krones AG</i>	Dekron <i>DecoType Select</i> digital direct print label (white, blue, red, yellow, and black) with 20% of less surface	June 22, 2018



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	coverage on PET bottle	
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Barrier Layers and Coatings:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>KHS Corpoplast GmbH</i>	FreshSafe-PET [®] SiOx barrier coating for PET bottles using the Plasmax process	December 6, 2018
<i>Colgate-Palmolive Company</i>	Samson tube technology of HDPE, 5% or less EVOH barrier layer with tie layers, PET insert, and direct printing	April 9, 2019
<i>Inhance Technologies, LLC</i>	Fluoro-Seal [®] fluorination coating on HDPE bottles	June 21, 2019

Barrier Layers and Coatings:

Bottle-to-Bottle Protocol Recognition

Company	Innovation Product	Date issued
<i>Colgate-Palmolive Company</i>	Samson tube technology of HDPE, 5% or less EVOH barrier layer with tie layers, PET insert, and direct printing for HDPE bottles	April 9, 2019
<i>Inhance Technologies LLC</i>	Fluoro-Seal [®] fluorination coating on HDPE bottles	June 21, 2019



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Barrier Layers and Coatings:

Applications Guidance Recognition

Company	Innovation Product	Date issued
<i>Naked Juice Company</i>	Naked Juice multilayer high density polyethylene container containing an ethylene vinyl alcohol barrier layer and tie layers.	June 10, 2009

Attachments:

Closure Systems:

Other: