



Plastic Packaging Innovation Recognition

Updated March 2017

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
Procter & Gamble Company	Febreze® 2 L Fabric Refresher container made of recycled HDPE resin	April 25, 2012

Barrier Layers and Coatings:

Applications Guidance Recognition

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



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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

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™ LC8CV and TC8CV series of films for sleeve labels	June 26, 2015
<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

Labels and Adhesives – Pressure Sensitive and Others:

Critical Guidance Recognition

Company	Innovation Product	Date issued
<i>Spear Incorporated</i>	Spear®RC clear #11581 and Spear®RC white #11582 pressure sensitive labels made with clear and white BOPP and an acrylic emulsion adhesive	November 21, 2013



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<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

Direct Printed Labels:

Critical Guidance Recognition



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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

Attachments:

Closure Systems:

Other: