

## MONO-MATERIAL BARRIER POUCHES

PACKAGING  
WORLDPROFOOD  
WORLDHealthcare<sup>+</sup>  
PACKAGING

LOGO	COMPANY NAME	SOLUTION	DESCRIPTION	SOLUTION IMAGE	RAW VS. FINISHED	MATERIAL	FOOD CONTACT
	<a href="#">BOBST</a>	oneBARRIER line of both paper and OPE film	BOBST oneBARRIER sustainable solutions for MDO PE and paper namely oneBARRIER PrimeCycle and FibreCycle are both officially recyclable. The PrimeCycle clear high barrier mono-material solution obtained a certification of recyclability of 98% by Institute cyclo-HTO GmbH.		Raw	PE, fiber	✓
	<a href="#">Formosa Flexible Packaging America, Inc.</a>	LÜ-R®	The LÜ-R® Series packaging is formulated with a single, widely recyclable material across all its layers. The LÜ-R® Series is created with just a single material. There are three options: LÜ-R PET, LÜ-R PP, LÜ-R PE. PET, PP, and PE are the most widely accepted plastic materials for recycling in the U.S.		Finished	PET, PP, PE	✓
	<a href="#">Morris Packaging</a>	Recycle Ready Pouches	Morris Packaging has multiple solutions of pre-made pouches and bags that are recycle ready. This includes SURP's, Quad Seal Pouches up to 50#'s, Flat Bottom Pouches with various formats and premade bags to directly compete with paper multiwall bags and polywoven bags. All can be printed up to 10 colors with extreme high-end graphics.		Finished, Raw	PE	✓
	<a href="#">TotalEnergies</a>	MDO-PE	The MDO-PE film recipe is composed of TotalEnergies Supertough®, such as Lumicene® Supertough® 32ST05, and unique Lumicene® high density PE, such as Lumicene® M5510EP. The objective is to replace multimaterial structures (e.g., metallized BoPP/PE or metallized BoPET/PE) with fully recyclable monomaterial structures suitable for food-grade applications, in line with brand owners' commitments to 100% recyclable packaging by 2025.		Raw	PE	✓
	<a href="#">Zacros</a>	MONOSOLUTIONS® Stand-Up Pouch	MONOSOLUTIONS® Stand-Up Pouch has the quality equivalent to multilayer structured pouches. The size range is up to 1.5L and spouted and spoutless options are available.		Finished	PE	✗

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	<a href="#">Aluflexpack</a>	Recyclable mono PP spouted pouch	The recyclable mono PP spouted pouch is designed without aluminum, and is "ready for recycling." Simultaneously, it offers a very high oxygen and water vapor barrier, making it suitable for shelf-stable products that undergo hot-filling and pasturization (such as baby food and fruit puree), and cold-filled or dairy applications.		Finished	PP	✓
	<a href="#">Aripak</a>	Recycle Ready Pouches	These recycle-ready pouches are made from Mono Material PE.		Finished	PE	✓
	<a href="#">Borealis</a>	PP monomaterial pouch	Newly developed high-barrier flexible pouch for dry food is designed for recycling. The monomaterial pouch, containing over 95% polypropylene (PP), helps producers and brand owners fulfill stringent Packaging and Packaging Waste Regulation (PPWR) guidelines.		Finished	PE	✓
	<a href="#">Cadillac Products Packaging Company</a>	RecycleReady Barrier Film	It's a single-layer polyolefin coex of PE and EVOH (not a multiple-layer lamination) made from resins approved for food use. The company manufactures the film in thicknesses from 2 to 8 mil and master roll widths of 36" & 72" which can be slit to narrower widths for conversion into pouches.		Raw	PE	✓
	<a href="#">Casfil</a>	ROVAC® EE	ROVAC® EE: mono-material PE vacuum packaging high barrier film / pouches, suitable for food contact applications.		Raw	PE	✓
	<a href="#">Cheer Pack/ Amcor</a>	CHEERCircle™	Cheer Pack North America, collaborating with Amcor announce an innovation in sustainable packaging for Stonyfield® Organic: the CHEERCircle™ All-PE recycle-ready spouted pouch		Finished	PE	✓
	<a href="#">Constantia Flexibles</a>	EcoLam, EcoLamPlus, EcoVerHighPlus	Recyclable, mono-PE laminate & mono-PP laminate with high barrier.		Raw	PE, PP	✓
	<a href="#">CP Flexibles</a>	Green Stream	GreenStream™ H2R flexible packaging is made from mono-material, 100% polyethylene (PE) that can be recycled at more than 18,000 store drop-off locations across the U.S. PE flexible packaging laminations can be further customized with moisture and/or oxygen barriers to meet performance requirements.		Finished, Raw	PE	✓

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	<a href="#">Eagle Flexible Packaging</a>	Recyclable, mono-material	Those solutions can be an unsupported LLDPE or HDPE, a HDPE/HDPE or HDPE/LLDPE lamination, and unsupported EVOH Coex with compatibilizer or HDPE/EVOH Coex with compatibilizer lamination. More recently they can also be BON/HDPE with compatibilizer or BON/LLDPE with compatibilizer laminations as well.		Finished	PE	✓
	<a href="#">elif (a Huhtamaki brnd)</a>	Recyclable High-Barrier Mono PE Pouch	A recyclable high-barrier mono PE pouch project using EB printed recyclable packaging, developed in collaboration with Comexi, ESI, Sun Chemical. It offers an EVOH free high-barrier and can be mechanically and chemically recycled where relevant recycling streams exist. It helps to achieve even higher mono-material content to meet increasingly stringent circular economy legislation.		Finished	PE	✓
	<a href="#">Formosa Flexible Packaging America, Inc.</a>	LÜ-R®	The LÜ-R® Series packaging is formulated with a single, widely recyclable material across all its layers. The LÜ-R® Series is created with just a single material. There are three options: LÜ-R PET, LÜ-R PP, LÜ-R PE. PET, PP, and PE are the most widely accepted plastic materials for recycling in the U.S.		Finished	PET, PP, PE	✓
	<a href="#">Grupo Lantero</a>	FULL PP or PE Monomaterial Packaging Solution	The pouch has been designed using FULL PE or PP material, replacing the multi-layer structures such as the peelable PET / AL / PE combinations, which are not recyclable and contribute significantly to environmental waste. This substitution provides a seamless transition while maintaining the necessary barrier properties for various products.		Finished	PP, PE	✓
	<a href="#">Gualapack</a>	Pouch 5	Pouch5® is 100% mono material, cap included. All the elements of the recyclable stand up pouches, cap and spout included, are made of the same material, polypropylene, which is correctly identified for recycling within the PP plastic waste stream. As a mono material, Pouch5® is designed without aluminum, but at the same time, it offers a very high oxygen and water vapor barrier.		Finished	PP	✓
	<a href="#">LPS Industries LLC</a>	VF 65	100% Recyclable Laminate Construction using two different gauges of polyethylene blend and 100% solventless adhesive. The material is printable using flexo, gravure or digital and is compatible with water, solvent, solventless, EB curable and UV ink systems. Meets How2Recycle guidelines for store drop off recycling. Made in the USA.		Finished	PE	✓

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	<a href="#">Mondi</a>	BarrierPack flexible	Mono-material barrier packaging is the flexible solution designed for recycling. It is available with different barrier properties to protect the contents inside from external factors.		Finished, Raw	PE	✓
	<a href="#">Morris Packaging</a>	Recycle Ready Pouches	Morris Packaging has multiple solutions of pre-made pouches and bags that are recycle ready. This includes SURP's, Quad Seal Pouches up to 50#'s, Flat Bottom Pouches with various formats and premade bags to directly compete with paper multiwall bags and polywoven bags. All can be printed up to 10 colors with extreme high-end graphics.		Finished, Raw	PE	✓
	<a href="#">Parkside</a>	RecoFlex	The new range of versatile Recoflex™ papers are available as a single-ply or laminate in several specifications, and offer durability, barrier performance, and excellent heat sealability, changing the game for paper-based flexible packaging in a number of market applications.		Raw	fiber	✓
	<a href="#">ProAmpac</a>	ProActive Recyclable PR-1000	High-barrier, paper-based technology that is recyclable.		Finished, Raw	fiber	✓
	<a href="#">SM Innotec</a>	Mono PE & Mono PP	Both mono PE, PP Recyclable Pouch can have barrier property.		Finished	PE, PP	✓
	<a href="#">SÜDPACK</a>	Pure-Line	The pouches are made using high-performance films from the Pure-Line product family from SÜDPACK. The films are based on the polymer polypropylene and are therefore classified as recyclable. With the PP-composite, customers also benefit from the minimal use of resources while enjoying optimal pouch stability, low packaging weight and an improved carbon footprint as a result.		Raw	PP	✓
	<a href="#">TC Continental</a>	VieVERTe® Recycle Ready	100% PE recyclable lamination commercialized for in-store drop off, available in high and low barrier.		Finished/ Raw	BOPE	✓
	<a href="#">TOPPAN Group (Toppan USA / Interflex Group)</a>	GL Barrier	TOPPAN develops and manufactures GL BARRIER by applying its own unique barrier technologies to PP, PE, PET and Paper. (Regarding PP) TOPPAN has already succeeded in packaging a barrier film grade that is compatible with boil products.		Finished	PP	✓

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	<a href="#">Vista Packaging</a>	Mono PE	Mono PE laminated pouch with barrier made from MDOPE/ EVOH PE.		Finished	PE	✓
	<a href="#">WJ Packaging Solutions</a>	WJ PE Recyclable Pouch, WJ PP Recyclable Pouch	PE mono-material pouch with barrier, PP mono-material pouch with barrier.		Finished	PE, PP	✓

## CLOSURES SUITED FOR MONO-MATERIAL POUCHES

	<a href="#">Aplix</a>	EasyLock	Easylock by Aplix® is a recyclable and sensory hook-to-hook resealable closure for flexible packaging, made to work with mono-PE pouches.			PE	✓
	<a href="#">Cheer Pack</a>	Vizi cap	Vizi™ cap is the innovative CHEER PACK® cap that delivers improved visibility of tamper-evidency, sustainability and grip.			PE	✓
	<a href="#">Fresh-Lock® closures</a>	Fresh-Lock® 8000 Series	The Fresh-Lock® 8000 Series offers a range of sustainable, mono-material closures for flexible packaging, designed to help promote circularity and waste reduction. Key options include: Polyethylene Slider: Easy-to-use, recycle ready closures. Industrially Compostable Zippers: Made from 100% compostable resin with easy-crushing locks. Polypropylene Zippers: Fully recyclable as part of a polypropylene package.			PE, PP & compostable resins	✓
	<a href="#">VELCRO®</a>	VELCRO® Brand PRESS-LOK	Easy alignment and closure for consumers Heat sealable to a variety of films and laminates Audible & Tactile. Adds convenience for consumers with a closure that is easy to align and secure with a gentle squeeze. Made of polyethylene mono-material to help produce fully recyclable packaging*			PE	✓