

#### **Global Pouch Forum**

May 2024





### Our Solution



# Advance the circular economy with Verdafresh, a true PE mono-material film structure

- ✓ High oxygen barrier (<0.1 cc / 100in² /day for laminate)
  </p>
- ✓ Enhanced moisture, grease, and aroma barrier
- ✓ Meets APR requirements for recyclability
- ✓ Exceptional clarity, physical properties, and processability
- ✓ Approved for indirect food contact
- ✓ Full drop in with conventional converting infrastructure





### Product readiness by film type

#### Packages made from Verdafresh-coated films are ready for commercial deployment

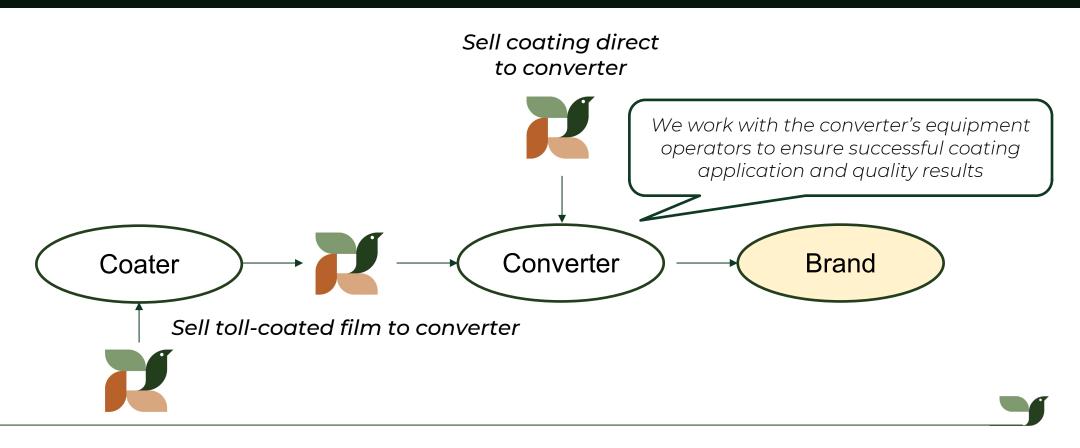
	Shelf Life Tests Passed	Printing and Converting	OTR Demonstrated	Coating Validated
MDO-PE				
Ex-PET <sup>1</sup>	In progress			
PET	<b>~</b>			<b>\</b>
BOPE			<b>\</b>	<b>\</b>
BOPP	<b>✓</b>		<b>~</b>	
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<sup>&</sup>lt;sup>1</sup> Coating applied inline on PET extrusion lines

## Strong partnerships & flexible sales model

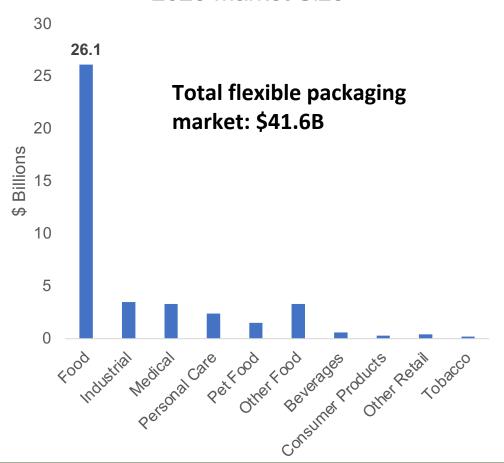
Depending on a converter's capabilities and capacity, Verdafresh can:

- Sell barrier film that is toll-coated
- Sell coating directly to apply in-house



# Flexible Food Packaging is a huge market, and sustainability trends drive converters to Verdafresh

2023 Market Size



- 75% of packaging converters expect to use **Recycle Ready** packaging in 2024
- Converters consistently rate Recycle Ready packaging as the most important initiative in their business
- Regulations push converters to Verdafresh / recycle ready materials



# Food Packaging requires oxygen barrier – existing solutions fall short

 Saran coatings contain PFAS, they are being regulated out, and is not recyclable

 EVOH films are supply constrained and limited in recyclability



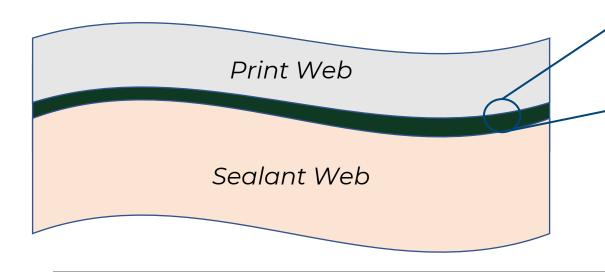
**Verdafresh** delivers a sustainable oxygen barrier coating that is trusted by the industry with no green premium



### Our patented coating is the secret sauce

Verdafresh's core innovation is an aqueous coating formulation that:

- (1) Provides exceptional oxygen, aroma, and grease barrier
- (2) Is compatible with many film types (PE, PP, PET, etc) and with high throughput printing methods (gravure, flexo, etc)
- (3) Achieves exceptional adhesion and bond strength to polyolefin and polyester films with no need for primer



Verdafresh's barrier coating is only 0.5 microns thick and makes up <2% of the package. We transform PE into high performance, recyclable, barrier food packaging.







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