

SURPASS® HPs167-AB Resin

Homopolymer HDPE

Market Leading Barrier Performance

HPs167-AB | 1.2 MI | 0.967 g/cm³ Density
Single-Site Catalyst with Multi-Reactor Process

SURPASS® HPs167-AB resin delivers ultra-high moisture and oxygen barrier—up to 50% improvement—which enables downgauging and shelf-life flexibility. Backed by proven product performance, its unique molecular architecture allows package designers to replace non-PE materials, creating more sustainable, cost-effective food packaging solutions without compromising protection.



**Downgauging while
maintaining shelf-life
requirements**



**INCREASE MOISTURE BARRIER
PERFORMANCE** by up to 50%.

**Enhancing
performance in
MDO HDPE films**



**IMPROVES OPTICAL
PROPERTIES** and **STIFFNESS**.

**Less material =
increased
sustainability**



**REDUCES PACKAGE
WEIGHT** and enables **PE
MONO MATERIAL PACKAGING**.

APPLICATIONS:

Food packaging solutions designed for moisture-sensitive products, including dry goods such as cookies, cereals, and crackers, as well as meat, cheese, and ready-to-eat (RTE) foods.

**Reliable supply through
diversified geography.**

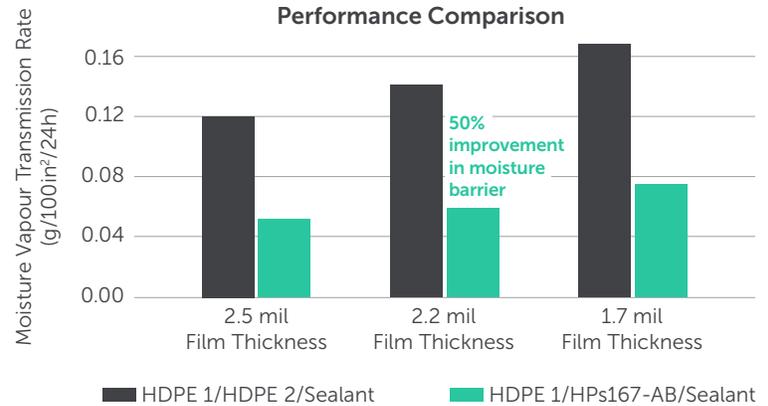
SURPASS® HPs167-AB Resin



Downgauging while maintaining shelf-life requirements

- ✓ Achieve up to 50% moisture barrier performance improvement over standard HDPE with SURPASS HPs167-AB resin.

Blown Extrusion—SURPASS® HPs167-AB resin vs. conventional HDPE 3-layer co-extrusion • 15% LDPE/70% HDPE or sHDPE/15% LDPE



Enhancing performance in MDO HDPE films

- ✓ Achieve stiffness gains of 53% in MD and 72% in TD.
- ✓ Deliver significant optical enhancements: Increasing gloss by 10 units and reducing haze by 7 percentage points.

Specific Output	1% Secant Modulus MD Mpa	1% Secant Modulus TD Mpa	Gloss at 45°	Haze %
With SURPASS HPs167-AB Resin in MDO-HD Film*	2,480	1,950	80	4
Without SURPASS HPs167-AB Resin in MDO-HD Film	1,620	1,130	70	11
Improvement with SURPASS HPs167-AB Resin	53.1%	72.6%	10 Units	7% Points

*MDO Film with 10% SURPASS HPs167-AB Resin



Less material = increased sustainability

- ✓ Achieve **ultra-high moisture barrier performance** which enables less film material.
- ✓ Reduce **carbon footprint** through lower material use and energy consumption.
- ✓ Cut **production and transportation energy costs**.



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