



# Flexible Packaging Films

**EnviroSafe® 502E**

**Two-side sealable, one-side treated, oxo-biodegradable OPP film**  
**FDA Compliant for direct food contact**

**Important Features:**

- Excellent clarity, gloss and stiffness
- Excellent hot tack and sealing strength
- Excellent machinability on a wide range of packaging machines

**Typical Applications:**

- Printable film designed for use in both Horizontal and Vertical form, fill and seal equipment
- Horizontal and Vertical packaging, in laminated or single web form

**Environmental**

After disposal into common waste environments, when exposed to sunlight (UV), moisture and heat, it decomposes completely into CO<sub>2</sub> and biomass over a given period of time, without the release of toxic by-products.

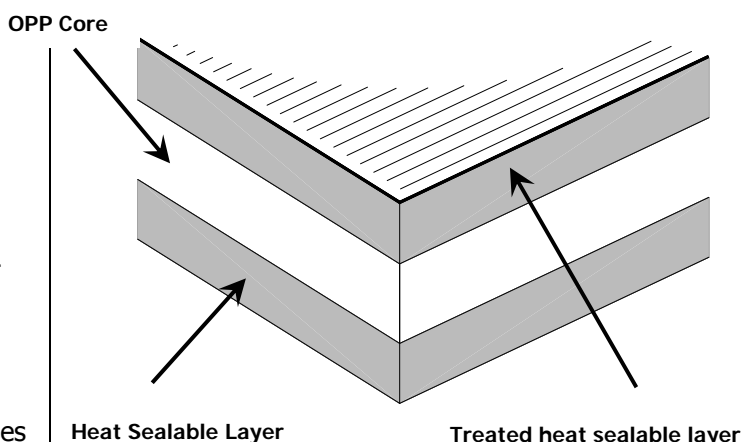
**ASTM 6954-04** Standard Guide for exposing and Testing Plastics that Degrade in the Environment by a Combination of Oxidation and Biodegradation

**ASTM 5338** Standard Test Method for Determining Aerobic Biodegradation of Plastic Materials Under Controlled Composting Conditions

**ASTM 5526** Standard Test Method to determine Anaerobic biodegradation of plastic materials under landfill conditions

**ASTM 5988** Standard Test Method for determining the degree and rate of aerobic biodegradation of plastic materials in contact with soil.

**ASTM 5208** Standard practice for operating fluorescent ultraviolet (UV) and condensation apparatus for exposure of photodegradable plastics.



**Primary Markets**

- Snacks
- Sandwich overwrap
- Frozen foods
- Baked goods
- Confectionery
- Box overwrap
- Cutlery

Product	Gauge	Yield Sq. inch per Lb.	Footage (approx ft. / roll on 3" core)		
			9.5" OD	13.5" OD	18" OD
HSF 502E Two-side heat sealable, Oxo-biodegradable OPP Film	.00080	38,625	6,300	12,800	25,600

*Terms 1% 10 Net 30 days / Freight Prepaid on 1,000 lbs. or more  
 Additional surcharge of \$ .25 per pound on widths 2 1/2" and under*



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## TECHNICAL DATA SHEET 502E

Properties		Units	Typical Values
Nominal Thickness		Gauge	.00080
Unit Weight		gr/m <sup>2</sup>	18.2
Yield		in <sup>2</sup> / lb	38,625
Tensile Strength	MD	lbs / in <sup>2</sup>	19,880
	TD	lbs / in <sup>2</sup>	42,600
Elongation at Break	MD	%	175
	TD	%	50
CoF		Back to Back	≤ 0.45
Surface Tension		Dyne	≥ 36
Gloss 45°		%	90
Haze		%	2.0
WVTR (100° F / 90%rh)		g / 100 in <sup>2</sup> d	.55
Heat-Seal Temperature		°F (Front to Back)	257
		°F (Back to Back)	239

**Treatment & Winding:** One surface is treated for printing and / or laminating. This treated surface is wound to the outside of the roll.

**Storage & Handling:** HSF Films should be placed in the processing area 24 hours prior to processing to acclimatize. Care should be taken not to expose film to direct sun light and excessive humidity for long periods of time. Warehouse temperatures should not exceed 30 degrees C. Under suitable storage conditions, the film can be stored for a period of six months without any risk of deterioration.

*The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part.*