

SAFEFLEX[®] VFFS & HFFS FILMS

WORK WITH TRANSCENDIA TO DEVELOP A CUSTOMIZED
FILM FOR YOUR VFFS OR HFFS PACKAGING APPLICATION



SAFEFLEX VFFS & HFFS Application Needs

- High barrier to preserve flavor and protect product
- High clarity for product visibility
- Hot tack strength for seal integrity and heavy products
- CoF to withstand high filling speeds
- Seal through wrinkles or contamination for seal integrity
- Heat resistance for hot fill applications
- Flex crack resistance for folds and gussets
- Stiffness for registration control and to minimize stretching
- Good tensile strength & flexibility to prevent film breaks



Applications

- Fresh or Frozen Meat, Poultry, Seafood
- Bulk Cheese
- Liquids, Condiments, Sauces
- Bulk Dry or Powder Goods
- IQF Protein & Vegetables
- Baked Goods
- Frozen Sandwiches, Burritos



Customization

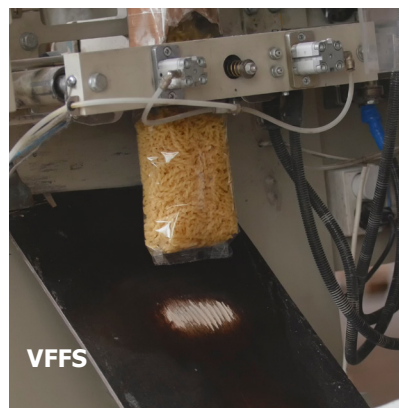
- Oxygen, Moisture and Aroma Barrier
- Seal Strength
- Slip
- Stiffness
- Gauge
- Length & Width
- Toughness



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SAFEFLEX VFFS & HFFS FILMS



Transcendia Capabilities

Format	• Single Wound Sheet 15" – 50" • Inline Slitting 15" and above
Thickness	• 1-4 mil. up to 78" • 4-6 mil. up to 60"
Sealing	• Fin or lap seal
Use Conditions	• Room temperature • Hot fill heat resistance • Refrigerated retherm • Formulations can be customized

Estimate of Typical Barrier Properties of our FFS Films

	EVOH or nylon, non-HDPE-rich structures	EVOH w/ or w/o nylon	2 nylon layers, no EVOH	1 nylon layer, no EVOH
mil	MVTR @23°C 100% RH gm/100 in ² /day ASTM F1249	OTR @23°C 0%RH cc/100 in ² /day ASTM D3985		
1	1.5	0.21	<24	<40
2	1.1	0.11	<24	<20
3	0.5	0.08	<8	<15
4	0.4	0.06	<6	<10
5	0.3	0.045	<5	<8
6	0.25	0.035	<4	<7

Barrier properties are EVOH and nylon grade, layer % and film thickness dependent. Please consult with a sales representative to discuss film specifications and application barrier needs.

Winning with Transcendia

Uncompromised Service

- SQF Facility
- Dedicated technical sales/product manager with on-site application expertise
- In-house lab capabilities with ability to quickly turn around test rolls/bags based on performance requirements
- Flexibility to run smaller minimum order quantities (10-20K lb. orders) vs. competitors
- Excellent Customer Service

Experts With Answers

- Application Development
- Customer Service
- Manufacturing
- Marketing
- R & D
- Regulatory
- Sales
- Sourcing
- Quality

Leading With Safety

- ISO 9001:2015 Certified Quality Systems
- SQF Certification
- Clean Room
- FDA-Compliant
- On-site Lab
- Regulatory Support
- Lot Traceability
- In-House Testing
- Employee PPE

*All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from purchaser's reliance on the information.



Contact us

To speak with a packaging film specialist call **800-745-5802 (US)**, **800-268-4108 (CAN)** or visit **transcendia.com/contact-us**



SAFEFLEX[®] MAP PACKAGING

WORK WITH TRANSCENDIA TO DEVELOP CUSTOMIZED
MAP FILMS FOR PACKAGING THAT PROTECTS FOOD,
EXTENDS SHELF LIFE AND REDUCES FOOD WASTE



SAFEFLEX MAP Application Needs

- Barrier properties to maintain appropriate gas composition within package
- Mechanical strength to withstand pressure changes during vacuum pumping
- Stiffness so bag can automatically open and inflate
- Seal integrity to withstand line speeds
- Toughness to withstand distribution environments
- Clarity for product visibility
- Heat resistance for hot fill applications
- Good tensile strength & flexibility to prevent film breaks



Applications

- Raw, Cooked or Cured Poultry, Beef, Pork, Seafood
- Ready to Eat and Cook-Chill Meals
- Fresh, Prepared or Whole Produce
- Bakery, Pasta, Cereal
- Dried Foods: Chips, Dehydrated Fruit, Powders



Customization

- Oxygen, Moisture and Aroma Barrier
- Seal Strength
- Slip
- Strength
- Stiffness
- Gauge
- Length & Width
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SAFEFLEX MAP PACKAGING



Transcendia Capabilities

Format	• Flat bags on a roll 42"-80" • Flat/gusseted tube on a roll <42" • SWS Rollstock for VFFS, HFFS, Flow Wrap	
Thickness	• 1-4 mil. up to 78" • 4-6 mil. up to 60"	
Sealing	Bottom Seal	
Barrier Properties	Gauge	3 mil.
	OTR @23°C 0%RH cc/100 in ² /day ASTM D3985	<7
	MVTR @23°C 100% RH gm/100 in ² /day ASTM F1249	<.7

Winning with Transcendia

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SAFEX FFORMING & NON-FORMING FILMS

BARRIER & NON-BARRIER FILMS FOR PACKER PROCESSORS, COPACKERS AND INDUSTRIAL PROCESSORS



Forming Films

For flexible packaging compartments requiring deep draw and excellent seal integrity.

Safeflex® Forming & Non-forming Film Benefits

- Extend Shelf-life
- Customizable Barrier
- Clarity for Product Visibility
- Print/Ink Receptivity
- Puncture Resistance for High Abuse Applications
- Excellent Impact Resistance
- Excellent Seal Integrity

Customization

Thickness | 3 - 9 mil.

Barrier Options | Medium to High

Widths | Custom Web Widths



Non-forming Films

Rollstock for lidding films used for rigid, semi-rigid and flexible trays and vacuum packaging

Applications

Typical applications include room temperature, refrigerated, frozen food, gas-flushed, and vacuum packaging for:

- Poultry
- Cheese
- Meat
- Dough
- Pizza
- Bulk Sausage
- MAP
- Vacuum



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SAFEFLEX FORMING & NON-FORMING FILMS

Additional Benefits

- Suitable for a range of processing equipment
- Heat resistance provides increased operating window when sealing
- Range of seal strengths from hard seal to peel seal
- Customizable aroma, oxygen, and UV barrier

Custom Colored Non-Forming Films

Blue for Fish | Yellow for Processed Meats | Green for Organic Products | Black for High-end Protein Packaging

Benefits of Black and Custom Color Non-forming Films

- High Opacity
- High Modulus Film that Still Remains Supple for Forming around Product Contours
- Excellent Seal Strength
- Do not Wrinkle Like Other Coex Films
- Stronger than Comparable Films Allowing for:
 - Downgauging
 - Removal of Bone Guard
- Protect Food Integrity
 - Premium Sealant that Seals through Contamination
 - Less Production Line Leakers. Less Rework



Working with Transcendia

Leading with Safety

- ISO 9001:2015 Certified Quality Systems
- SQF Facility
- Class 7 & Class 8 Cleanroom Converting
- Class 7 Cast Film Manufacturing
- FDA-Compliant Resins
- On-site Lab
- Regulatory Support
- Lot Traceability
- In-House Testing
- Employee PPE

Uncompromised Service

- Dedicated technical sales/product manager with on-site application expertise
- In-house lab capabilities with ability to turn around test rolls or bags quickly
- Flexibility to run smaller minimum order quantities
- Excellent customer service

Experts With Answers

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