

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

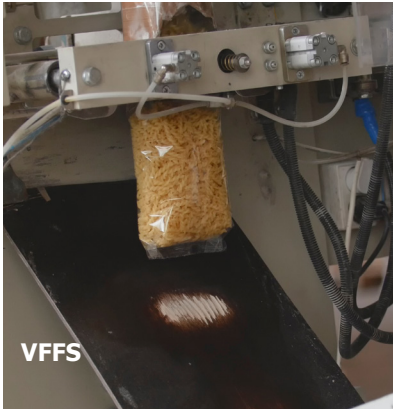


Customization

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



SAFEFLEX VFFS & HFFS FILMS



Transcendia Capabilities

Format	<ul style="list-style-type: none"> • Single Wound Sheeting 15" – 50" • Inline Slitting 15" and above
Thickness	<ul style="list-style-type: none"> • 1-4 mil. up to 78" • 4-6 mil. up to 60"
Sealing	<ul style="list-style-type: none"> • Fin or lap seal
Use Conditions	<ul style="list-style-type: none"> • 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](https://www.transcendia.com/contact-us)

