



Exfilm® HSP

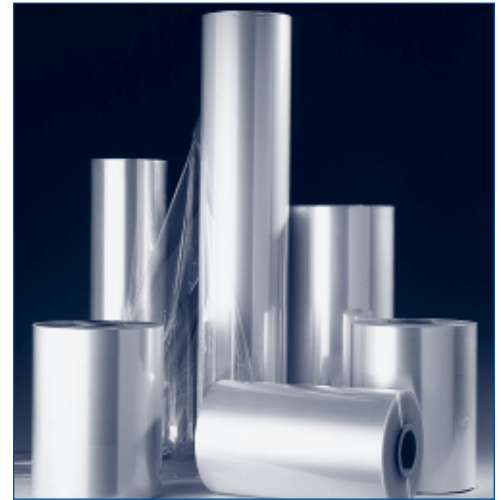
High Speed Shrink Film

Performance Features

- Maximizes Production Rates (High Speed)
- Exceptional Tensile Strength & Tear Resistance
- Superior Optics
- High Slip
- Consistently Strong Seals
- High Percent of Shrinkage
- 100% Recyclable
- Complies with FDA Standards

Customer Values

- **Faster Sealing Maximizes Your Production Rates** increasing plant efficiency.
- **Exceptional Tensile Strength and Tear Resistance** gives added durability and toughness to ensure your product is better protected.
- **Superior Optics** enhance your retail product presentation to attract more customers.
- **High Slip** ensures easier material handling, collating and package insertion.
- **Consistently Strong Seals** withstand the rigors of high speed packaging and shipping.
- **High Percent of Shrinkage** ensures that the film conforms to the package and provides superior aesthetics.
- **Exfilm® HSP** is 100% recyclable.
- **Complies with FDA Standards** for direct contact with food.



Take Advantage of IPG's Extensive Line of Shrink Film Products!

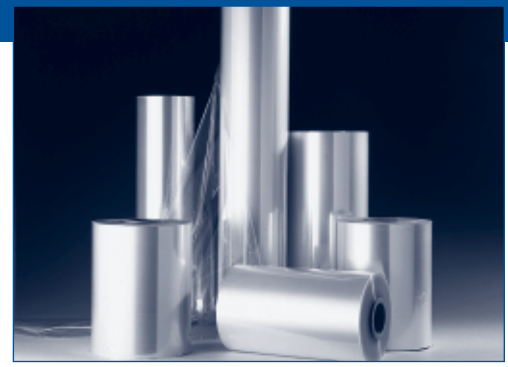
To ensure you have the best film for your application, IPG offers a full line of polyolefin shrink films, available in a wide choice of gauges, widths and film designs, such as print-treated and perforated.

Other products in IPG's shrink line include:

- **Exfilm® QSL – Quick Shrink & Slip Film**
- **Exfilmplus™ LTG – Light Gauge Shrink Film**
- **Exfilmplus™ – Performance Shrink Film**
- **Exfilmplus™ LTF – Light Force Shrink Film**
- **Exfilmplus™ AF – Anti-Fog Performance Shrink Film**

Exfilm[®] HSP

High Speed Shrink Film



CHARACTERISTICS	TEST METHOD	REPRESENTATIVE VALUES							
		45		60		75		100	
Gauge		45		60		75		100	
Roll Length - Center Fold		5,830		4,375		3,500		2,625	
Roll Length - Single Wound		11,660		8,750		7,000		5,250	
Low Temperature Usage (F)		-40°		-40°		-40°		-40°	
Shrink Temperature (F)		240-340°		240-340°		240-340°		240-340°	
Max. Storage Temp. (F) 2 yrs. max.		90°		90°		90°		90°	
Haze (%)	D1003	2.5		2.9		3.3		3.9	
Gloss at 20	D2457	130		130		130		130	
Coefficient of Friction (film to film), kinetic	D1894	0.60		0.55		0.55		0.50	
Oxygen Transmission Rate (cc / 100 in ² / 24 hrs.)	D3985	575		431		344		333	
Water Vapor Transmission Rate (g / 100 in ² / 24 hrs.)	F1249	0.388		0.291		0.266		0.200	
Yield in Square Inches per Pound		65,300		49,000		40,500		30,400	
		MD	TD	MD	TD	MD	TD	MD	TD
Tensile Strength (PSI)	D882-80	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000
Elongation at Break (%)	D882-80	110	115	110	115	110	115	115	120
Stiffness Modulus (PSI)	D882-80	60,000	60,000	60,000	60,000	60,000	60,000	55,000	55,000
Unrestrained Shrink (%) @250F	D2732	55	58	45	45	45	45	45	45
Tear Propagation (g/ply)	D1922	8	8	10	10	17	17	22	22

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Note: These values are typical and not intended as limiting specifications.

Corporate Profile

Intertape Polymer Group Inc. (IPG) is an acknowledged leader in the packaging industry, assembling the broadest and deepest range of products in the industry.

IPG is widely-recognized for its development and manufacture of specialized polyolefin plastic and paper-based packaging products, as well as complementary packaging systems for industrial and retail use. Additionally, IPG is a woven and flexible intermediate bulk container (FIBC) manufacturer. Its performance products, including tapes and cloths, are designed

for demanding aerospace, automotive and industrial applications.

Established in 1981 and headquartered in Montreal, Quebec and Sarasota/Bradenton, Florida, Intertape employs approximately 2,600 employees with operations in 19 locations, including 15 manufacturing facilities in North America and one in Europe. Intertape Polymer Group Inc. is a publicly traded company with its common shares listed on the New York Stock Exchange and The Toronto Stock Exchange under the stock symbol "ITP".

Team IPG... Working For You!

IPG's distribution network and company sales offices are conveniently located throughout North America. You'll find that our dedicated local distributors are ready to supply you with Intertape products and services, assisted by IPG's highly trained sales and service representatives, who offer quick response with the technical expertise you need. These IPG associates, and our distributors, combine to make up an unmatched team that provides you with the best service possible, and right in your own back yard.



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