

# Exfilmplus™ LTF

## Light Force Shrink Film

**Exfilmplus™ LTF** features exceptional shrinkage (80%) and excellent optics. LTF provides consistently strong seals and conforms easily to irregular shapes without crushing or distorting the product. **Exfilmplus™ LTF** is user-friendly and non-corrosive, unlike PVC. Best suited applications are: calendars, filters, small paper packs, products susceptible to crushing, textiles, bakery products, computer software and high-profile packages



### Performance Features Equal Customer Value

- **Excellent Optics** enhance your retail product presentation to attract more customers.
- **High Speed Performance** maximizes production rates increasing plant efficiency.
- **Consistently Stronger Static Seals** withstand the rigors of high speed packaging and shipping.
- **Reduces Downtime** saving money.
- **Exceptional Tensile Strength & Tear Resistance** gives added durability and toughness to ensure your product is better protected.
- **High Percent of Shrinkage** improves film conformity to the package and product aesthetics.

### Our Extensive Line of Shrink Film Products

IPG offers a unique line of crosslinked and non-crosslinked polyolefin shrink films, available in a wide choice of gauges, widths and film designs, to ensure you have the best film for your application. These include:

**Exfilmplus™ – Performance Shrink Film**

**Exfilmplus™ LTG – Light Gauge Shrink Film**

**Exfilmplus™ AF – Anti-Fog Shrink Film**

**Exfilm® QSL – Quick Shrink & Slip Film**

**Exfilm® HSP – High Speed Shrink Film**

**EZ Clear PVC – PVC Shrink Film**



# Exlfilm<sup>plus</sup>™ LTF

## Light Force 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			
Roll Length - Single Wound		11,600		8,750		7,000			
Low Temperature Usage (F)		-45°		-45°		-45°			
Shrink Temperature (F)		230-340°		230-340°		230-340°			
Max. Storage Temp. (F) 2 yrs. max.		90°		90°		90°			
Haze (%)	D1003	2.9		3.0		2.5		4.0	
Gloss at 20°	D2457	140		143		141		137	
Coefficient of Friction (film to film), kinetic	D1894	0.25		0.25		0.25		0.25	
Oxygen Transmission Rate (cc / 100 in2 / 24 hrs.)	D3985	950		850		750			
Water Vapor Transmission Rate (g / 100 in2 / 24 hrs.)	F1249	2.5		2.1		1.7			
Yield in Square Inches per Lb.		67,500		50,600		40,500			
				MD	TD	MD	TD	MD	TD
Tensile Strength (PSI)	D882	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Elongation at Break (%)	D882	90	116	100	125	117	135	133	143
Stiffness Modulus (PSI)	D882	32,000	38,000	30,000	37,000	28,000	36,000	28,000	35,000
Unrestrained Shrink (%) @250°F	D2732	81	79	81	79	81	79	81	79
Tear Propagation (g/ply)	D1922	10	10	15	15	15	15		

**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 14 locations, including 10 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 and Europe. 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, right in your own back yard.

