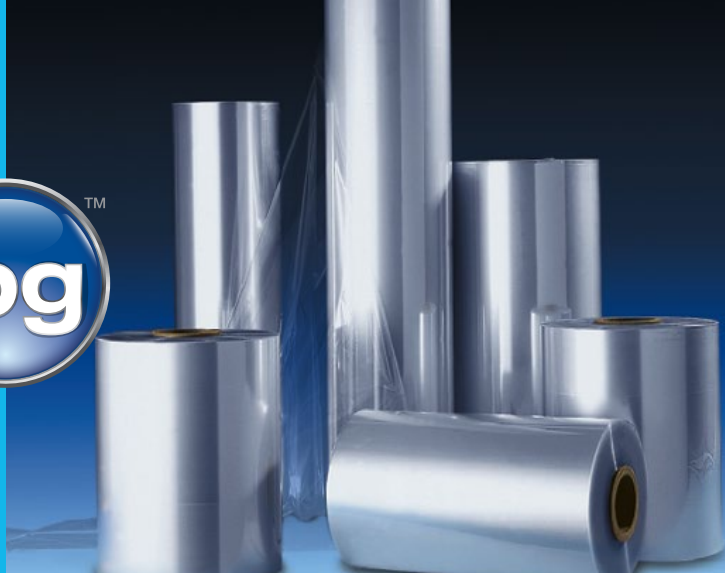


i protect with



Exlfilm[®] HSP

HIGH SPEED SHRINK FILM

This fast-sealing film allows for short dwell times that maximize production and increase plant efficiency. Your product is protected from the rigors of high-speed packaging and shipping by consistently strong seals and exceptional tensile strength. The high slip ensures easier material handling, collating and package insertion. Great for computer software, DVDs, labels and more, Exlfilm[®] HSP gets the job done fast and looks great too, with superior optics and shrinkage. Available in 50, 60, 75 and 100 gauge.



Key Performance Features

- Maximizes Production Rates
- Consistently Strong Seals
- Superior Optics

BENEFITS

- High Shrink Percentage
- High Slip
- Exceptional Tensile Strength and Tear Resistance
- Complies with FDA Standards

 **Exlfilm[®] HSP**
High Speed Shrink Film



Characteristics	Test Method	Representative Values							
		50		60		75		100	
Gauge		5,250		4,375		3,500		2,625	
Roll Length - Center Fold		10,500		8,750		7,000		5,250	
Roll Length - Single Wound		-40°		-40°		-40°		-40°	
Low Temperature Usage (°F)		240 – 340°		240 – 340°		240 – 340°		240 – 340°	
Shrink Temperature (°F)		90°		90°		90°		90°	
Max. Storage Temp. (°F) 2 years max.		2.3		2.8		3.2		3.5	
Haze %	D1003	125		115		115		115	
Gloss at 20°	D2457	0.25		0.25		0.25		0.25	
Coefficient of Friction (film to film), kinetic	D1894	527		431		344		333	
Oxygen Transmission Rate (cc/100 in ² /24 hrs.)	D3985	1.91		1.52		1.179		0.93	
Water Vapor Transmission Rate (g/100 in ² /24 hrs.)	F1249								
		MD	TD	MD	TD	MD	TD	MD	TD
Tensile Strength (PSI)	D882-80	16,000	16,000	15,000	15,000	15,000	15,000	13,000	13,000
Elongation at Break (%)	D882-80	120	120	120	120	140	140	140	140
Stiffness Modulus (PSI)	D882-80	50,000	50,000	50,000	50,000	50,000	50,000	40,000	40,000
Unrestrained Shrink (%) @ 250°F	D2732	55	58	55	58	55	58	55	58
Tear Propagation (g/ply)	D1922	8	8	10	10	17	17	22	22

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