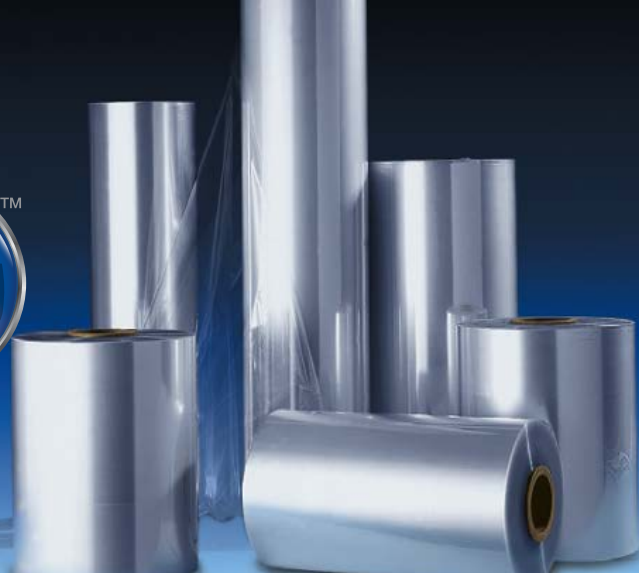


i protect with



# Exlfilm<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> HSP**  
High Speed Shrink Film



Characteristics	Test Method	Representative Values							
		50		60		75		100	
Gauge		50		60		75		100	
Roll Length - Center Fold		5,250		4,375		3,500		2,625	
Roll Length - Single Wound		10,500		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 years max.		90°		90°		90°		90°	
Haze %	D1003	2.3		2.8		3.2		3.5	
Gloss at 20°	D2457	125		115		115		115	
Coefficient of Friction (film to film), kinetic	D1894	0.25		0.25		0.25		0.25	
Oxygen Transmission Rate (cc/100 in <sup>2</sup> /24 hrs.)	D3985	527		431		344		333	
Water Vapor Transmission Rate (g/100 in <sup>2</sup> /24 hrs.)	F1249	1.91		1.52		1.179		0.93	
		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.