

D-940 Soft Shrink Film

MPD High Speed Films

- Designed to run at speeds up to 200 ppm
- Unparalleled clarity
- Provides the strongest lap seal available



LD-935 Multi-Purpose Film

- Great for uniform-sized, lightweight products
- Longer rolls mean fewer changeovers, less downtime
- Superior optics for unsurpassed shelf appeal

CorTuff® High-Abuse Film

- Strongest impact strength available – ideal for heavy, odd-shaped products
- Can replace bulkier packaging materials
- Can be used as primary shipping media



D-955 Multi-Purpose Film

- Most versatile film on the market
- Perfect for multi-packs and irregularly-shaped items
- Superior abuse resistance

Consultative Services

- Package concept development
- Film selection assistance
- Packaging line audits and economic analysis



Equipment Systems Support

- Feasibility studies of proposed equipment
- Custom-built shrink packaging systems
- Equipment installation, training and ongoing technical support

*The
Easiest
Way to Wrap
Your
Toughest
Challenge*



Soft Shrink Film

Cryovac's "friendliest" film, D-940, is all about making your life easier. With its low shrink tension and forgiving nature, D-940 is the perfect film for those hard to package, softer and lighter weight products.

A Friend Indeed

■ **Shrink and Seal with Ease.** D-940 shrinks to the contours of the package under less than perfect tunnel conditions, and seals at a wide range of temperatures on a variety of equipment systems. This means less fine-tuning and greater output. The film will remain pliable even at sub-freezing temperatures.

■ **Easy on Your Product.** With its low shrink force, D-940 is very sensitive to the product inside and does not cause softer items such as stationery, snack foods, textiles and software to buckle or become distorted. Yet, D-940 still has a high percentage of shrink, meaning the film conforms perfectly to the product for optimum retail presentation.

■ **Easy on You.** With its ability to shrink at low temperatures, D-940 runs on almost any equipment system under almost any condition. The film is non-corrosive and leaves no carbon buildup on sealing wires or other equipment parts.

■ **Easier Sales.** The excellent clarity and gloss of D-940 enhances the retail appeal of products such as rolls of wallpaper, gift wrap and textiles, whose true colors are critical at the point of sale.

Film Highlights

■ **Material.** Multi-layered, electronically cross-linked polyolefin produced through a proprietary co-extrusion process.

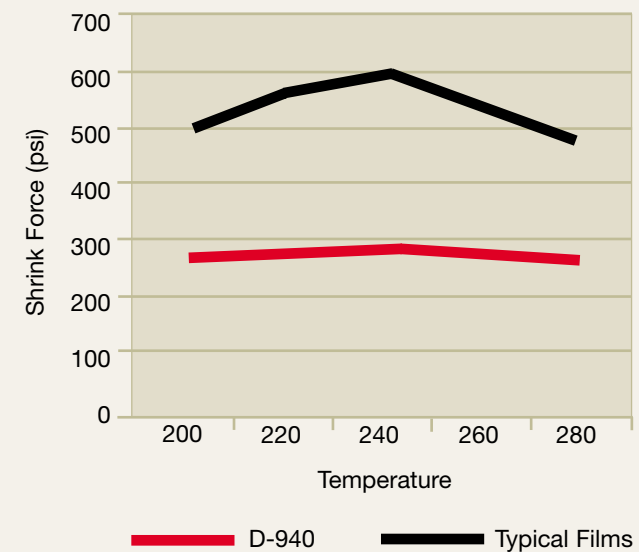
■ **Appearance.** Superior optics with low shrink energy. A variety of products can be shrink wrapped without buckling or distortion detracting from their sales appeal.

■ **Toughness.** Exceptional seal strength for greater product protection during shipping and display.

■ **Applications.** Stationery, gift-wrap and other paper products; snack foods and candy; products in lightweight chipboard trays or containers, and linens.



D-940 Shrink Profile



D-940 Properties

		ASTM Test Method	Typical Values	
Gauge			60	75
Yield (sq. in. per pound)			49,000	39,000
Haze (%)		D 1003-95	4.1	5.9
Gloss (%)		D 2457-90	81	81
Clarity (%)		D 1746-92	80	80
Instrumented Impact Strength (lbs)		D 3763-95a	9.0	11.2
Coefficient of Friction (film-to-film, kinetic)		D 1894-95	0.23	0.25
Water Vapor Transmission Rate (gms/100sq. in./24hrs.);100% RH, 100° F		F 1249-90	2.0	1.6
Oxygen Transmission Rate (cc/m ² /24hrs. @ 73° F, 1atm)		D 3985-95	13,800	12,000
Tear Propagation (gms)				
	LD*		19	25
	TD**	D 1938	11	15
Elongation at Break (%)				
	LD*		100	100
	TD**	D 882-95	110	110
Minimum Use Temperature			-60° F	
Maximum Storage Temperature			90° F	
			LD*	TD**
Tensile Strength (psi)		D 882-95	11,000	9,500
Modulus of Elasticity (psi @ 73° F)		D 882-95	26,000	29,000
Free Shrink (%)		D 2732-83		
	@180° F		12	15
	@200° F		25	30
	@220° F		44	44
	@240° F		69	67
	@260° F		81	78
Shrink Tension (psi)		D 2838-95		
	@200° F		250	260
	@220° F		270	270
	@240° F		275	280
	@260° F		260	260

*Longitudinal Direction **Transverse Direction

This information represents our best judgement based on the work done, but the Company assumes no liability whatsoever in connection with the use of information or findings contained herein. D-940 complies with the requirements of the Federal Food, Drug and Cosmetics Act, as amended, for the packaging of all foods, with the exception of high alcoholic, at temperatures of 65°C and below.