

LD-935 Multi-Purpose Film

The

Lightest

Way to

the

Strongest

Wrap



LD-935 is a thin, cost-effective, uncompromising addition to the family of Cryovac® Performance Shrink Films for a range of products that need superior shelf appeal, but don't need the bulk of a heavier film.

Less Can Be More

- **Deceptive Strength.** Don't let looks deceive. LD-935 may appear delicate, but it is really very tough, and provides the package integrity of heavier competitive films. It's the perfect choice for a wide range of uniformed-sized, lighter weight product applications.
- **Second Skin.** At times, you can barely tell LD-935 is even there, so superior are its optics. It also eliminates unsightly dog ears.
- **More Downsizing, Less Downtime.** The opportunity to downgauge is greater than ever. By downgaging to LD-935, you can reduce packaging costs and reduce waste without sacrificing the robustness of the material. At the same time, since LD-935 rolls are up to twice the length of standard films, there are fewer changeovers, less downtime and more efficient use of warehouse and storage space.

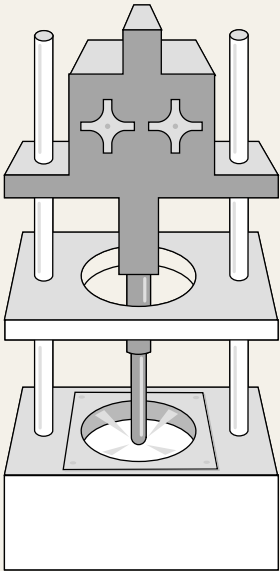
Film Highlights

- **Material.** Multi-layered, co-extruded polyolefin with built-in performance characteristics like machinability, seal strength and durability.
- **Appearance.** Superior optics with transparent clarity, sparkle and gloss.
- **Toughness.** Pound for pound, offers the performance characteristics of heavier films. Exactly what is required for a wide range of today's consumer products.
- **Machinability.** Exceptional sealability on a broad range of thermal, trim and electrostatic sealing systems.
- **Applications.** Toys and games, housewares and hardware, software, video cassettes, office and art supplies, multi-packaged food products and other products that require pack-ons or multi-packing.



LD-935 Film

Instrumented Impact Strength



Demonstrates impact strength superior to competitive films. LD-935 is put to the test to ensure package integrity under the roughest handling conditions.



LD-935 Properties

		ASTM Test Method	Typical Values	
Gauge			30	45
Yield (sq. in. per pound)			99,000	66,000
Haze (%)		D 1003-95	2.5	2.8
Gloss (%)		D 2457-90	89	89
Clarity (%)		D 1746-92	87	87
Instrumented Impact Strength (lbs)		D 3763-95a	8.5	12.8
Coefficient of Friction (film-to-film, kinetic)		D 1984-95	0.35	0.33
Water Vapor Transmission Rate (gms/100sq. in./24hrs.); 100% RH, 100° F		F 1249-90	2.2	1.4
Oxygen Transmission Rate (cc/m ² /24hrs. @73° F, 1atm)		D 3985-95	17,000	10,200
Tear Propagation (gms)	LD*	D 1938	1.8	2.9
	TD**		2.5	3.9
Elongation at Break (%)	LD*	D 882-95	90	100
	TD**		110	120
Minimum Use Temperature			-60° F	
Maximum Storage Temperature			90° F	
			LD*	TD**
Tensile Strength (psi)		D 882-95	20,000	20,000
Modulus of Elasticity (psi @73° F)		D 882-95	85,000	90,000
Free Shrink (%)		D 2732-83		
	@200° F		10	16
	@220° F		17	26
	@240° F		49	55
	@260° F		82	78
Shrink Tension (psi)		D 2838-95		
	@200° F		230	550
	@220° F		400	650
	@240° F		410	650
	@260° F		470	550

*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. LD-935 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.

Our Products Protect Your Products®

MPD High Speed Films

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



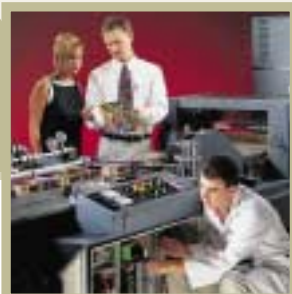
D-940 Soft Shrink Film

- Perfect for softer items like printed paper goods
- Super low shrink force prevents distortion
- Runs on a wide variety of equipment



Consultative Services

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



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

Equipment Systems Support

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



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