

D-955 Multi-Purpose Shrink Film

The

Versatile

Way

to

Unlimited

Packaging



Multi-Purpose Shrink Film



The most versatile and reliable shrink film on the market has only begun to scratch the surface of potential applications. In addition to being the perfect film for unusually shaped objects and heavy products with sharp edges, Cryovac® D-955 is unmatched for multi-packing applications.

The Best Athlete in the Field

- **Unmatched Strength.** Withstands abuse in production, packing, shipping, retail stocking and consumer handling. Its toughness enables D-955 to be used in thinner gauges than competitive films while delivering the same degree of protection.
- **High Energy.** D-955's high shrink energy allows you to tightly unitize multiple items so you can eliminate extra packaging materials such as trays or bands. And regardless of the extremes in temperature and climate the film will retain its original form. And it virtually eliminates wrinkles and dog ears.
- **Versatile.** Great for irregularly shaped products especially those with sharp corners, premium add-ons or "pack-ons", cold/frozen products, heavy items and multi-packs. Seals on a wide variety of systems.
- **Great Vision.** The field is wide open for multi-packing applications. Everything from complementary products like motor oil and transmission fluid to sampling products like mouthwash and chewing gum, and multiple packages of shutters, canned goods, aerosol cans, and so much more.
- **Optimal Production.** All this adds up to fewer product returns, better product image on store shelves, less down-time and higher through-put speeds and an opportunity to reduce overall packaging costs.

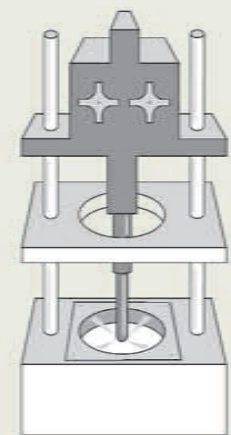
Film Highlights

- **Material.** Extremely tough, multi-layered, electronically cross-linked polyolefin.
- **Appearance.** Superior clarity, gloss and sheen. Package will stay taut and wrinkle-free and won't crack when temperature abused, insuring maximum appeal at the point of sale.

- **Toughness.** Abuse and puncture resistant. Strong seals. Opportunity to use thinner gauge without jeopardizing package integrity.
- **Machinability.** Can be run on a variety of equipment – centerfold, reverse fold and form-fill-seal machines.
- **Sealing Techniques.** Seals well on thermal, trim and electrostatic systems.
- **Applications.** Multi-packs, plastic or heavy paper plates, reams of paper, window shutters, shelving, canned goods, irregularly shaped toys and games.



D-955 Properties	ASTM Test Method	Typical Values					
		52	60	75	100	125	
Gauge		52	60	75	100	125	
Yield (sq. in. per pound)		56,500	50,000	40,000	30,000	24,000	
Haze (%)	D 1003-95	2.9	3.1	3.3	3.7	4.4	
Gloss (%)	D 2457-90	87	87	87	87	87	
Clarity (%)	D 1746-92	87	86	85	81	76	
Instrumented Impact Strength (lbs)	D 3763-95a	17.6	18.8	23.9	33.2	36.8	
Coefficient of Friction (film-to-film, kinetic)	D 1894-95	0.22	0.22	0.22	0.23	0.23	
Water Vapor Transmission Rate (gms/100sq. in./24hrs.; 100%RH, 100° F)	F 1249-90	1.3	1.3	1.1	0.9	0.7	
Oxygen Transmission Rate (cc/m ² /24hrs. @ 73° F, 1atm)	D 3985-95	8,708	8,458	6,726	4,941	3,350	
Tear Propagation (gms)	LD*	2.5	3.8	5.3	8.5	12.8	
	TD**	3.7	4.9	6.0	9.2	12.7	
Elongation at Break (%)	LD*	90	95	110	125	150	
	TD**	59	30	135	140	145	
Minimum Use Temperature		-60° F					
Maximum Storage Temperature		89° F					
		LD*			TD**		
Tensile Strength (psi)	D 882-95	17,500			19,000		
Modulus of Elasticity (psi @ 73° F)	D 882-95	60,000			65,000		
Free Shrink (%)	D 2732-3	@200° F	14			20	
		@220° F	22			33	
		@240° F	57			60	
		@260° F	77			77	
Shrink Tension (psi)	D 2838-95	@200° F	350			500	
		@220° F	400			570	
		@240° F	440			600	
		@260° F	440			535	
		@280° F	420			450	



Instrumented Impact Strength
Demonstrates impact strength superior to competitive films. D-955 is put to the test to ensure package integrity under the roughest handling conditions.

*LD Longitudinal Direction **TD Transverse Direction

This information represents our best judgement based on the work completed. The Company assumes no liability whatsoever with the use of information or findings contained herein. Current data is based on limited samples and is subject to modification prior to final publication.

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



LD-935 Multi-Purpose Film

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

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



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

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



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