

Opti[®] 110 Shrink Film

The Perfect Combination of Strength and Value



**Opti[®] 110
Shrink
Film**

Versatile, High-Quality Films for Multiple Applications

Opti Shrink Film is a biaxial-oriented polyolefins that offers the performance you need at an excellent value.

Opti 110 Shrink Film is a crisp, high modulus film perfect for high-speed applications. It features superior clarity and gloss for dynamic retail shelf appeal, and facilitates better static lap sealing.

Opti 110 Features and Benefits

- **Superior optics**—Excellent gloss and sparkle with low haze and crystal clear clarity for enhanced appearance and product appeal; barcodes easily scanned, text and graphics intensified
- **Tough**—Co-extruded multi-layer construction offers ideal product protection against tampering and pilferage; maintains product integrity through the rigors of distribution and retail handling
- **Versatile**—Ideal for packaging a variety of products from food and pharmaceuticals to stationery and games; may be used for packaging an infinite variety of sizes and shapes
- **Recyclable**—Totally recyclable and non-corrosive; no fume emissions
- **Easy to use**—Minimizes “dog ears”; features low shrink temperature and short dwell time; works on most types of equipment from manual L-sealers to automated high-speed wrappers
- **FDA approved**—Certificates available upon request
- **Options and availability**—Available in centerfold and single-wound styles; popular roll sizes available from stock inventory



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Our Products Protect Your Products®

Opti 110 Technical Data

Opti 110 Properties	ASTM Test Method	Typical Values	Typical Values	Typical Values	
Gauge	D374	50	60	75	100
Instrumented impact strength (lbs)	D3763	16.6	12	16	22
Shrink (% @ 250° F)	D2732	60/60	60/60	60/60	55/55
Haze (%)	D1003	2.6	2.3	2.6	2.9
Gloss (% @ 45° F)	D2457	86	95	94	96
Coefficient of friction (film-to-film, kinetic)	D1894	0.15	0.15	0.16	0.12
Tensile strength (psi) LD*/TD**	D882	18500/17000	18500/17000	17000/16000	15000/15500
Elongation at break (%) LD*/TD**	D882	86/110	110/100	125/120	140/140
Tear propagation (gms) LD*/TD**	D1938	5.6/6.1	8/8	10/10	14/14
Unrestrained shrink (% @ 200° F) LD*/TD**	D2732	12/17	10/10	10/10	9.5/9.5
Shrink temperature	n/a	240° F-360° F	240° F-360° F	240° F-360° F	240° F-360° F
Usage and storage temperature	n/a	-50° F-80° F	-50° F-80° F	-50° F-80° F	-50° F-80° F

*Longitudinal direction **Transverse direction

This information represents our best judgment based on the work done, but the company assumes no liability whatsoever in connection with the use of information or findings contained herein. Opti 110 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 substances, at temperatures of 65° C and below.

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