



## **Opti® 92 and Opti® 95**

***Opti® Shrink Films are biaxial-oriented polyolefins that offer the perfect blend of strength and value.***

### **Opti® 92 Shrink Film**

A general-purpose material with low modulus and a soft feel to the touch. It is tough, and has better tear resistance and tensile strength than higher modulus shrink films.

### **Opti® 95 Shrink Film**

A crisp, high modulus film that is perfect for high speed applications. It has superior clarity and gloss for dynamic retail shelf appeal, and makes for better static lap sealing.

### **Opti® 92 and Opti® 95 benefits**

#### ■ SUPERIOR OPTICS

- Excellent gloss and sparkle
- Low haze and crystal clear clarity
- Enhances appearance and product appeal
- Bar-codes easily scanned, text and graphics intensified

#### ■ TOUGH

- Coextruded, multi-layer construction
- Ideal product protection against tampering and pilferage
- Maintains product integrity through rigors of distribution and retail handling

#### ■ VERSATILE

- Ideal for packaging a variety of products from food and pharmaceuticals to stationery and games

#### ■ FLEXIBLE

- Ideal for packaging an infinite variety of sizes and shapes

#### ■ RECYCLABLE

- Totally recyclable and non-corrosive
- No fume emissions



#### ■ EASY TO USE

- Minimum “dog ears”
- 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 of approval available upon request

#### ■ AVAILABLE

- Centerfold and Singlewound

#### ■ POPULAR ROLL SIZES

- Available from stock inventory

Opti® 92		ASTM Test Method	Typical Values		
Gauge		D374-95A	.0006	.00075	.001
Instrumented Impact Strength (lbs)		D3763	15	18.5	21
Shrink (% @ 250°F)		D2732	56/60	54/59	55/60
Haze (%)		D1003	2.5	3.0	3.5
Gloss (% @ 45°F)		D2457	90	88	88
Coefficient of Friction (film-to-film, kinetic)		D1894	0.22	0.23	0.22
Tensile Strength (gms)	MD*	D882	15800	16000	15700
	TD**		16200	15600	15700
Elongation at Break (%)	MD*	D882	118	125	127
	TD**		122	115	121
Tear Propagation (gms)	MD*	D1938	9	13	15
	TD**		10	13	18
Unrestrained Shrink (% @ 200°F)	MD*	D2732	10	13	9
	TD**		11	12	11
Shrink Temperature		n/a	240° to 360°F	240° to 360°F	240° to 360°F
Usage & Storage Temperature		n/a	-50° to 80°F	-50° to 80°F	-50° to 80°F

Opti® 95		ASTM Test Method	Typical Values		
Gauge		D374	.0006	.00075	.001
Instrumented Impact Strength (lbs)		D3763-95A	12	16	22
Shrink (% @ 250°F)		D2732	55/60	55/60	55/60
Haze (%)		D1003	2.0	2.4	2.8
Gloss (% @ 45°F)		D2457	95	94	96
Coefficient of Friction (film-to-film, kinetic)		D1894	0.15	0.12	0.10
Tensile Strength (gms)	MD*	D882	17000	15000	13000
	TD**		16000	15500	12500
Elongation at Break (%)	MD*	D882	120	130	150
	TD**		110	120	140
Tear Propagation (gms)	MD*	D1938	7	9	12
	TD**		7	9	14
Unrestrained Shrink (% @ 200°F)	MD*	D2732	9	9	7.5
	TD**		12.5	14.5	14
Shrink Temperature		n/a	240° to 360°F	240° to 360°F	240° to 360°F
Usage & Storage Temperature		n/a	-50° to 80°F	-50° to 80°F	-50° to 80°F

\*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. Opti® 92 and Opti® 95 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.

Opti shrink wrapping equipment is available for a turnkey solution for your packaging requirements.



**Sealed Air**  
Shrink Packaging Division

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