

Opti[®] 200 Shrink Film

Cross-linked multi-purpose strength film for a broad range of applications



Benefits

- **SUPERIOR OPTICS**
- **TOUGH**
- **VERSATILE**
- **FLEXIBLE**
- **USER FRIENDLY**
- **FDA APPROVED**
- **RECYCLABLE**
- **AVAILABLE IN CENTERFOLD ONLY**

Opti® 200 Properties

	ASTM Test Method	Typical Values			
		MAX	STD	DUR	
Haze (%)	D 1003-95	2.2	3.2	3.4	
Gloss (%)	D 2457-90	91.6	85	85	
Clarity (%)	D 1746-92	81.3	85	85	
Instrumented Impact Strength (Lb.)	D 3763-95a	12.0	17.5	19.9	
Coefficient of Friction (film-to-film, kinetic)	D 1894-95	0.33	0.30	0.30	
Water Vapor Transmission Rate (gms/100sq. In./24hrs.)	F 1249-90	1.7	1.6	1.3	
Oxygen Transmission Rate (cc/m ² / 24 hrs. @ 73 °F., 1atm)	D 3985-95	6,300	7,870	6,370	
Tear Propagation (gms) LD* / TD**	D 1938	2.7 / 3.3	3.6 / 3.8	4.6 / 4.7	
Elongation at Break (%) LD* / TD**	D 882-95	65 / 95	69 / 110	89 / 90	
Minimum Use Temperature		-60 °F			
Maximum Storage Temperature		90 °F			
		LD*	TD**	LD*	TD**
Tensile Strength (psi)	D 882-95	18,000	19,000	17,500	19,000
Modulus of Elasticity (psi @ 73 °F)	D 882-95	63,400	57,000	60,000	65,000
Free Shrink (%)	D 2732-83				
@180 °F		6.5	8	8	11
@200 °F		10.5	13.5	13	20
@220 °F		21	29.5	26	34
@240 °F		51	55	65	65
@260 °F		51	57	80	78
Shrink Tension (psi)	D 2838-95				
@200 °F		423	479	420	530
@220 °F		531	534	490	530
@240 °F		551	466	560	540
@260 °F		555	386	556	490

* 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® Max shrink film complies with the requirements of the Federal Food, Drug and Cosmetic Act, as amended, for the packaging of all foods, with the exception of high alcoholic, at temperatures of 65 °C and below.



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Our Products Protect Your Products®

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