

Xenith³[™] Shrink Film

Strength,

Optics,

*Soft/Low Temperature
Shrink*

And Easy Sealing

Wrapped

Into One



Xenith³™ Shrink Film

Xenith³™ is the result of breakthrough technology that combines low temperature shrink without compromising strength. It is easy to use, which means it seals easily, shrinks easily and runs well on a broad range of equipment systems. Xenith³ makes perfect packages with “less-than-perfect” shrink equipment. Its unmatched clarity, gloss and sheen ensure that products are clearly visible to consumers and its strength enables products to arrive at the store in the same condition that they are shipped. This toughness permits products to withstand the rigors of retail stocking and consumer handling, while maintaining strong visual appeal.

Strength

Xenith³ is the strongest soft shrink film available

Finally your easily-distorted products can get a level of protection previously available only in high-shrink-force films.

Soft Shrink

Xenith³ exerts low shrink force against your product

With its low shrink tension, Xenith³ will not bend or crush your delicate products.

Low Temperature Shrink

Xenith³ shrinks at significantly lower temperatures

You can now wrap your heat-sensitive products with less worry. Lower shrink temperatures also means lower utility bills.

Wide Operating Window

Xenith³ performs well in variable operating conditions

A wide shrink range makes it easier to get perfect results, even with less-than-perfect equipment.

High Free Shrink

Xenith³ has a very high percentage of “Free Shrink”

Anyone can wrap a box, but Xenith³ conforms to products like a second skin, including contoured and irregular-shaped products.

Easy, Strong Sealing

Xenith³ seals easy and strong at all speeds

Xenith³ is a cross-linked film with a wide sealing window capable of handling a broad range of wire, knife, band, static or thermal seal mechanisms.

Optics

Xenith³ is crystal clear with a high-gloss finish

Shelf presentation that grabs the consumer’s attention. The clarity and gloss enhance a product’s shelf appearance.



Strongest soft shrink film available.



Low shrink force.



High “Free Shrink”.

Xenith³™ Shrink Film

Xenith³™ Film Specifications

ASTM Test Method

Typical Values

Grade		10	20	30	50				
Yield (in ² /lb.)		64,500	52,700	38,400	29,000				
Haze (%)	D 1003-95	2.8	3.4	3.8	3.9				
Gloss (%)	D 2457-90	86	85	86	83				
Clarity (%)	D 1746-92	81	79	79	76				
Instrumented Impact Strength (lbs)	D 3763-95a	7.5	9.4	10.2	14.2				
Coefficient of Friction (film-to-film, kinetic)	D 1984-95	0.3	0.3	0.3	0.3				
Water Vapor Transmission Rate (gms/100sq.in./24hrs.; 100%RH, 100° F)	F 1249-90	1.61	1.42	1.13	0.73				
Oxygen Transmission Rate (cc/m ² /24hrs. @73° F, 1 atm)	D 3985-95	6944	6072	5129	3192				
Minimum Use Temperature		-60° F	-60° F	-60° F	-60° F				
		LD*	TD**	LD*	TD**	LD*	TD**	LD*	TD**
Elmendorf Tear (g/mil)	D 1922	31	27	34	30	64	56	94	128
Elongation at Break (%)	D 882-95	106.3	129.7	120.0	131.3	120.0	135.0	150.0	150.0
Tensile Strength (psi)	D 882-95	15.2	14.5	14.6	15.7	14.1	15.8	13.7	13.9
Modulus of Elasticity (psi @ 73° F)	D 882-95	107.7	107.7	94.3	93.3	103.1	98.5	93.2	88.8
Free Shrink (%)									
@180° F		13	17	12	16	12	14	9	15
@200° F		21	25	20	28	19	26	21	28
@220° F	D 2732-83	44	52	42	49	41	48	40	49
@240° F		73	71	70	71	71	72	72	74
@260° F		79	77	77	76	77	77	76	78
Shrink Tension (psi)									
@180° F		268	335	278	333	209	263	183	283
@200° F		312	392	274	351	264	317	202	329
@220° F	D 2838-95	352	393	309	376	309	342	268	349
@240° F		378	348	334	363	335	354	273	348
@260° F		311	275	287	278	302	290	291	300

Available in four strength grades, Cryovac® Xenith³™ shrink film is the solution for your difficult to wrap products.

*Longitudinal Direction **Transverse Direction

This information represents our best judgment based on the work completed. The Company assumes no liability whatsoever with the use of information or findings contained herein. Current information is based on sampling and is subject to modification with additional data.

Our Products Protect Your Products®

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

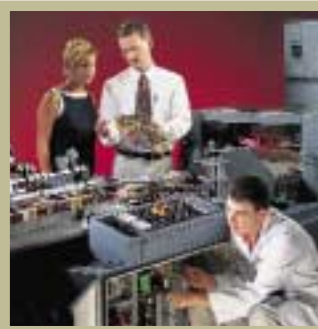


Opti® Shrink Packaging

- A complete turnkey, cost-effective solution
- Opti® brand shrink film
- Opti® brand Packaging Equipment

Consultative Services

- Packaging concept development
- Film selection assistance
- Packaging line audits and value analysis



Shanklin® Equipment Systems

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



Shrink Packaging Division
PO Box 464
100 Rogers Bridge Road, Bldg. A
Duncan, South Carolina 29334-0464
Toll Free: 866-773-4567
Fax: 864-433-2019
cryovac.mkt@sealedair.com

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