

 **Sealed Air**

VIBGYOR
INTERNATIONAL P.V.C. LTD. 

CRYOVAC[®] CT-301

Performance Shrink Film



CRYOVAC[®] TECHNOLOGY
Making Your Life Easier



CT-301- It's The Technology

This isn't just a new, thin film - it's a technology!



Cryovac® CT-301 is a new high performance shrink film based on a new Sealed Air technology platform. CT-301 has revolutionized the ability to down gauge while maintaining performance characteristics of shrink films up to twice as thick.

- Performance - 50-60 Gauge Properties in a 30 Gauge Film
- Unique Combination of Strength, Tear, and Burn Resistance
- Enhanced Seal Strength and Durability in a 30 Gauge Format
- Proven Versatility Across a Broad Range of Shrink Equipment
- Excellent Optics and Clarity

Commitment to Sustainable Packaging

For decades, Sealed Air's environmental performance efforts have focused primarily on reducing the amount of waste material produced from the packaging operation.

CT-301 is the ultimate in source reduction and reduced carbon footprint due to its **ultra thin structure**. This film reduces the number of cores, cartons, pallets, warehouse space and shipping costs, while providing the same area of film.

CT-301 is the sustainable solution with:

- Ultra Thin, Extremely Strong Structure
- Ability To Replace Materials Up To Double The Thickness
- Lower Carbon Footprint Due To Less Material
- Lower Tunnel Temperatures

We know there is no single solution to meeting the sustainable packaging needs of our customers. We also know our objectives must be achieved without compromising performance or value the package brings to the consumer.



It's The Total Package

Beyond excellent clarity and shelf appeal to the consumer, what *ELSE* makes Cryovac® CT-301 such a unique shrink film?

For starters, CT-301 is literally miles ahead of the competition. Our standard roll lengths are up to 1.6 miles longer than 60 gauge film yet provides similar performance with compatible applications.

Moreover, CT-301 **reduces your overall operational cost** by enabling **fewer roll changeovers** and fewer unscheduled breaks for your workforce, especially when you have a tight deadline.

Add CT-301 to your packaging operation and eliminate the changeover productivity leak!

- Improve Uptime
- Fewer Changeovers
- Optimize Your Operational Efficiency



Gauge		30
Yield (Sq. In/lb.)		99,500
Haze %	D 1003-95	3.2
Gloss %	D 2457-90	86
Clarity %	D1746-92	85.5
Instrumented Impact Strength (lbs.)	D 3763-95a	8.2
Coefficient of Friction (film to film, kinetic)	D 1984-95	0.174
Water Vapor Transmission Rate (gms/100sq.in./24hrs.; 100% RH, 100 Deg. F)	F 1249-90	2.2
Oxygen Transmission Rate (cc/m sq/24hrs. @ 73 Deg F, 1 atm)	D 3985-95	17,000
Minimum Use Temperature		-60 Deg F
		LD*/TD**
Elmendorf Tear (g)	D 1922	16.7/12.3
Elongation at Break (%)	D 882-95	88/105
Tensile Strength (X1000 psi)	D 882-95	20.9/21.6
Modulus of Elasticity (X1000 psi)	D 882-95	69.0/69.6
Free Shrink (%)		
@ 180 Deg F		
@ 200 Deg F		
@ 220 Deg F	D 2732-83	11/17
@ 240 Deg F		20/30
@ 260 Deg F		53/57
Shrink Tension (psi)		82/80
@ 180 Deg F		
@ 200 Deg F	D 2838-95	476/664
@ 220 Deg F		499/641
@ 240 Deg F		548/578

ASTM Test Properties

* 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 data is based on limited samples and is subject to modification pending finalization.

Creating World Class Packaging Solutions

Sealed Air is a leading global manufacturer of a wide range of fresh food, protective and specialty packaging products. Reaching nearly 80 percent of the world's population, many Sealed Air brands are among the most respected names in their markets.

Our products protect and preserve our customers' products from the plant or warehouse through the rigors of the distribution chain. A number of Sealed Air products also provide an appealing merchandising presence for retail display.

Sealed Air's industry-leading investment in research and development and constant focus on World Class Manufacturing principles allow us to continue to deliver innovative packaging solutions that add measurable value to our customers' businesses around the world.



Bubble Wrap® & AirCap®



Cryovac®
Case Ready Packaging Systems



Instapak®
Foam Packaging



Fill Air™
Inflatable Packaging and Systems



Jiffy Mailer®
Products



SpeedyPacker®
Foam Packaging System



Cryovac®
Flexible Pouch Systems



CelluPlank®
Polyolefin Foam
Stratocell®
Laminated Foam



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