

**Cryovac®
CT-302E**

High
Performance
Micro-Layered
Shrink Films



Cryovac® CT-302E

PRODUCT SPECIFICATION SHEET

HIGH PERFORMANCE SHRINK FILM

The Cryovac® CT-302E is a high performance shrink film based on the Sealed Air micro-layering technology platform. This unique shrink film has demonstrated comparable or even better performance versus significantly thicker materials.

THE SUSTAINABLE SOLUTION

- Significant source reduction / improved carbon footprint
- Lower tunnel temperatures
- Longer rolls result in fewer changeovers

FEATURES AND BENEFITS

- Enhanced Seal Strength and Durability
- Exceptional Burn Resistance
- Excellent Optics and Clarity
- Improved efficiencies and lower operating costs

Film Data	Unit	Nominal Values		Test Method
Thickness	μ	9		ASTM D6988
Yield	m²/kg	114		
Length				
Single Wound	lm	4300		
Centre Folded	lm	2150		
Width				
Single Wound (10 mm increment)	mm	From 100 to 1610		
Centre Folded (50 mm increment)	mm	From 155 to 905		
Core diameter	mm	76		
Mechanical		LD*	TD*	
Tensile strength	kg/cm²	1200	1600	ASTM D882-95
Elongation at break	%	100	100	ASTM D882-95
Modulus of elasticity	kg/cm²	3400	3700	ASTM D882-95
Tear propagation	g	2.5	4	ASTM D1938
Kinetic coeff. of friction	(film-to-film, kinetic)	0.17		ASTM D1894
Puncture resistance	g	1800		COV-E-236
Shrink and Barrier				
Free shrink @ 120°C	%	65	65	ASTM D2732
Max. shrink tension	kg/cm²	28	45	COV-E-302
Moisture vapour transmission rate	g/m²/24hrs @ 38°C	38		ASTM F1249
Oxygen transmission rate	cm³/m²/24hrs @23°C, 1 atm	16000		D3985-95
CO2 transmission rate	cm³/m²/24hrs @23°C, 1 atm	57000		ASTM D1434
Optical				
Haze	%	3		ASTM D1003
Gloss	gloss units (i = 60°)	135		ASTM D2457
Storage Conditions		Recommended conditions for long-term storage: Below 32°C, max RH 80%, for up to one year		
Food Law Approval		Complies with EU regulations on food contact materials. See “Product Regulatory Compliance Statement” for details.		
Quality		All Cryovac manufacturing operations in Europe have received or are applying for ISO 9001:2008 Quality Certification or its local equivalent		

LD = Longitudinal Direction / TD = Transverse Direction
TCO approval date: April 2013



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