

Cryovac® CT-300 Series

PRODUCT SPECIFICATION SHEET

GENERAL PURPOSE SHRINK FILM

Film Data	Unit	Test Method	Typical Values						
			CT-301E	CT-302E	CT-303E	CT-304E	CT-305E	CT-306E	CT-308E
Thickness	μ	ASTM D6988	7	9	11	14	17	23	38
Yield	m ² /kg	-	142	114	101	77	61	47	28
Length Centre Folded	lm	-	2667	2150	1905	1454	1143	885	533
Width Centre Folded (50mm increment)	mm	-	From 155 to 955	From 155 to 955	From 155 to 1005	From 155 to 1055	From 155 to 1055	From 155 to 1055	From 155 to 905
Core diameter	mm	-	76	76	76	76	76	76	76
Mechanical			LD/ TD						
Tensile strength	kg/cm ²	ASTM D882-95	1400/1500	1300/1450	1250/1350	1200/1300	1200/1300	1200/1300	1000/1050
Elongation at break	%	ASTM D882-95	100/100	100/105	100/110	105/120	110/130	120/150	170/190
Modulus of elasticity	kg/cm ²	ASTM D882-95	5500/5700	5450/5650	5400/5600	5250/5450	5100/5400	5000/5500	4000/4500
Tear propagation	g	ASTM D1938	2.5/3.5	2.8/4.0	3.3/4.5	5.0/7.3	7.0/10.0	10.0/15.0	18.0/27.0
Kinetic coeff. of friction	(film-to-film)	ASTM D1894	0.16	0.15	0.14	0.14	0.13	0.13	0.12
Puncture resistance	g	COV-E-236	1500	1800	2100	2500	3000	3600	4100
Shrink and Barrier									
Free shrink @ 120°C	%	ASTM D2732	65/65	65/65	65/65	65/65	65/65	65/65	65/65
Max. shrink tension	kg/cm ²	COV-E-302	30/35	30/35	30/35	30/35	30/35	30/35	30/35
Moisture vapour transmission rate	g/m ² /24hrs @ 38°C	ASTM F1249	42	38	36	30	24	17	12
Oxygen transmission rate	cm ³ / m ² /24hrs @23°C, 1 atm	D3985-95	18000	16000	14500	11000	8000	6000	3400
CO2 transmission rate	cm ³ / m ² /24hrs @23°C, 1 atm	ASTM D1434	61000	57000	53000	45000	35000	27000	15000
Optical									
Haze	%	ASTM D1003	2.9	3	3	3.3	3.5	4	5.5
Gloss	gloss units (i=60°)	ASTM D2457	135	134	134	132	131	129	125
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 9001:2015 Quality Certification or its local equivalent								

LD = Longitudinal Direction / TD = Transverse Direction

*Cryovac is a registered trademark of Cryovac Inc., a subsidiary of Sealed Air Corporation

All statements or recommendations are based on data and knowledge considered to be true and accurate at the time of printing but should be verified by the user. Since the conditions of use are beyond our control we do not warrant: the completeness of any statement or recommendation, or as regards the goods or services supplied by us, the suitability for any intended purpose or the results to be obtained. Please read all statements or recommendations in conjunction with our conditions of sale including those limiting warranties and remedies which apply to all goods and services supplied by us. No statement or recommendation is intended for any use, which would violate or infringe statutory obligations or rights belonging to third parties.