



D940

- EXCEPTIONNALLY LOW SHRINK FORCE AVOIDS CRUSHING AND DISTORTION
- SMOOTH WRINKLE-FREE FINISH
- CLEAR, GLOSSY SOFT FILM FOR OPTIMAL DISPLAY APPEAL
- EXCELLENT TRIM SEAL STRENGTH AND FILM TOUGHNESS FOR PACK SECURITY
- EASY MACHINEABILITY WITH CLEAN 100% POLYOLEFIN FILM
- IMPULSE, CONSTANT HEAT OR ELECTROSTATIC SEALING
- SINGLE WOUND AND CENTREFOLDED
- 11, 15 OR 19 MICRON THICKNESS
- TEMPERATURE STABLE

	Unit	Typical values			Test method
FILM DATA					
Thickness	micron	11	15	19	ASTM D-374(C)
Yield	m ² /kg	94.6	71.1	56.9	
Length – Single Wound	m	3554	2667	-	
Centrefolded	m	1777	1332	1067	
Width	mm	As required			
Core diameter	mm	76	76	76	
FILM PROPERTIES		LD/TD*	LD/TD*	LD/TD*	
Tensile strength	kg/cm ²	800/750	800/750	800/750	ASTM D-882
Modulus of Elasticity	kg/cm ²	2200/2200	2200/2200	2200/2200	ASTM D-882
Elongation at Break	%	100/110	110/110	110/110	ASTM D-882
Tear propagation resist. (min.)	g	10/10	13/13	16/16	ASTM 1938(B)
Puncture resistance	g	1100	1300	1600	COV-E236-2
Coefficient of Friction	(film-to-film, kinetic)	0.19	0.19	0.17	ASTM D-1894
Water Vapour Transm. Rate	(g/m ² /24hrs @ 38°C)	65	55	45	ASTM F 1249
Oxygen Transmission Rate	(cm ³ /m ² /24hrs @23°C, 1 atm)	20600	17600	15400	ASTM D 3985
Minimum Use Temperature	°C	-50	-50	-50	
SEALING					
Trim seal strength	g/25 mm	1400	1650	2000	COV-E234
SHRINK					
Free shrink	% at 120°C	75/70	75/70	75/70	COV-E209
Shrink tension	kg/cm ²	14/12	14/12	14/12	COV-E302
OPTICAL					
Haze	%	3.0	3.5	4	ASTM D-1003A
Gloss	gloss units (i = 60°)	130	130	130	ASTM D-2457
STORAGE CONDITIONS		Recommended maximum temperature for long-term storage: 32°C, max. 80% R.H. , up to one year			
QUALITY		All Cryovac manufacturing operations in Europe have received ISO 9002 Quality Certification or its local equivalent			
FOOD LAW APPROVAL		Compliance with food contact legislation: Cryovac D940 film is approved for food contact in most European countries and USA			

*LD = Longitudinal Direction *TD = Transverse Direction

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Shrink Packaging Europe,
 Sealed Air S.A.S., F- 28234 Eperon cedex,
 Tel: +33.(0)2.37.18.91.00, Fax: + 33.(0)2.37.18.91.91
 www.sealedair-emea.com

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