



IMPACT™

- EXTREMELY TOUGH, MULTILAYER, CROSS-LINKED POLYOLEFIN
- CLEAN, NON CORROSIVE 100% POLYOLEFIN FORMULATION
- EASY MACHINEABILITY
- FOOD LAW APPROVED
- SUPERIOR GLOSS, CLARITY AND SHEEN FOR MAXIMUM DISPLAY APPEAL
- SUPPLIED IN IMPACT STRENGTHS OF 16, 19, 24 AND 34
- TEMPERATURE STABLE EVEN AT FREEZING TEMPERATURES
- SINGLE WOUND OR CENTREFOLDED

	Unit	Typical values				Test method
FILM DATA						
Grade/Instrumented Impact Strength	lb.	16	19	24	34	ASTM D-3763-95a
Density	g/cm ³	0.923				
Yield	m ² /kg	83.7	72.5	57.1	43.3	
Length: Single wound	m	3000	2500	2000	1500	
Centrefolded	m	1500	1250	1000	750	
<i>Roll lengths for printed films will be 50 m shorter than plain film lengths</i>						
Width: Single wound	mm	As required				
Centrefolded	mm	As required				
Core diameter	mm	76				
FILM PROPERTIES						
Tensile strength	kg/cm ²	LD		TD		ASTM D-882
Modulus	kg/cm ²	1100		1100		
Elongation	%	4000		4000		ASTM D-882
Tear propagation resist. (min.)	g	120		110		ASTM D-882
Puncture resistance	g	4.0	5.2	6.6	8.7	ASTM 1938(B)
Kinetic coeff. of friction	(film/film) / (film/metal)	2500	3000	3800	5000	COV-E236-2
SEALING						
Heat seal range	°C	From 125 to 165				COV-E228
Heat seal strength	G/25mm	1800	2000	3100	4100	COV-E228
Trim seal strength	g/25 mm	2500	3000	3500	3500	COV-E234
SHRINK						
Free shrink	% @ 120°C	65		65		COV-E209
Shrink tension	kg/cm ²	20		32		COV-E302
BARRIER						
MVTR	g/m ² , 24h (38°C, 100% RH)	27	23	18	14	ASTM F1249-90
O ₂ permeability	cm ³ /m ² , 24h, bar (23°C, 0% RH)	11000	9500	7500	6000	ASTM D-3985
CO ₂ permeability	cm ³ /m ² , 24h, bar (23°C, 0% RH)	30500	26500	19500	15000	COV-E68
OPTICAL (after shrink)						
Haze	%	1.8	1.8	2.2	2.5	ASTM D-1003A
Gloss	gloss units (i = 60°)	135				ASTM D-2457
STORAGE CONDITIONS						
Recommended maximum temperature for long-term storage: 32°C, max. 80% R.H. , up to one year						
FOOD LAW APPROVAL						
Compliance with food contact legislation: <i>IMPACT™</i> film is approved for food contact in most European countries and USA						
QUALITY						
All Cryovac manufacturing operations in Europe have received or are applying for ISO 9002 Quality Certification or its local equivalent						

* LD = Longitudinal Direction **TD = Transverse Direction

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