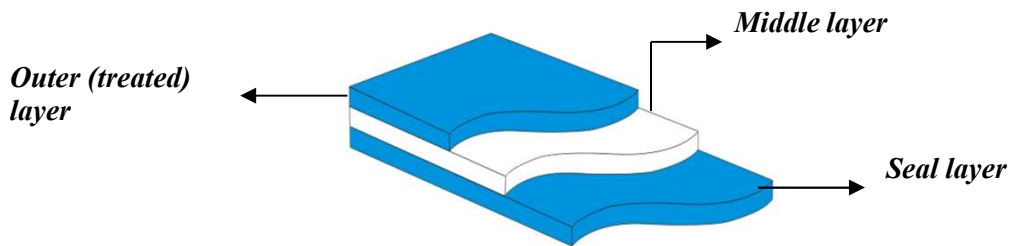


## TECHNICAL SPECIFICATION

# ML61

### CONSTRUCTION



### FEATURES AND APPLICATIONS

- Excellent sealing strength.
- Hot-tack property.
- High stiffness.
- Improved dart drop and tear resistance.
- Suitable for stand up pouch (doy-pack) type and wet wipes packaging.
- Suitable both HFFS and VFFS machines.

### CERTIFICATION

Films comply with the requirements "COMMISSION REGULATION (EU) No 10/2011 on plastic materials and articles intended to come into contact with food". All films are produced in ISO 9001, ISO14001 certified facilities and have been approved by the British Retail Consortium (BRC).

### PRODUCT and FOOD SAFETY

For more information please request Material Safety Data Sheet (MSDS) and Food Contact Declaration.

### SHELF LIFE and STORAGE

The shelf life of the product is 6 months after production if it is stored in dry conditions, away from exposure to direct sunlight and at normal room conditions.

PROPERTIES								
Parameter	Unit		Value				Test Method	
Thickness	micron		30	38	40	45	BAREKS TEST	
	gauge		120	152	160	180		
Density	g/cm <sup>3</sup>		0,925	0,925	0,925	0,925	BAREKS TEST	
Yield	m <sup>2</sup> /kg		36,04	28,45	27,03	24,02	BAREKS TEST	
CoF	ln / ln		≤ 0,3				ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	18	21	21,5	22	ASTM D882
	TD		± 6	12	18,6	19	20	
Elongation at Break	MD	mm	± 100	160	190	200	220	ASTM D882
	TD		± 100	240	350	360	400	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	14	17,8	18	21,5	BAREKS TEST
		mm	± 50	90	95	100	105	
Gloss	≥%		80	80	80	80	ASTM D2457	
Haze	≤%		16	16	16	16	ASTM D1003	
Clarity	≥%		90	90	90	90		
Transmittance	≥%		85	85	85	85		

The above information is the result of laboratory tests, which are applied on samples from standard production. Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty. Users are advised to conduct their own testing of our products to determine suitability for use alone or in combination with other products.

PROPERTIES								
Parameter	Unit		Value				Test Method	
Thickness	micron		48	50	55	58	BAREKS TEST	
	gauge		192	200	220	232		
Density	g/cm <sup>3</sup>		0,925	0,925	0,925	0,925	BAREKS TEST	
Yield	m <sup>2</sup> /kg		22,52	21,62	19,66	18,64	BAREKS TEST	
CoF	ln / ln		≤ 0,3				ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	28,5	28,8	32,5	38	ASTM D882
	TD		± 6	21	21,5	25	27	
Elongation at Break	MD	mm	± 100	225	225	230	250	ASTM D882
	TD		± 100	410	410	430	460	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	22	22,6	23,5	24,5	BAREKS TEST
		mm	± 50	110	120	125	130	
Gloss	≥%		80	80	80	80	ASTM D2457	
Haze	≤%		16	16	16	16	ASTM D1003	
Clarity	≥%		90	90	90	90		
Transmittance	≥%		85	85	85	85		

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PROPERTIES								
Parameter	Unit		Value				Test Method	
Thickness	micron		60	63	65	70	BAREKS TEST	
	gauge		240	252	260	280		
Density	g/cm <sup>3</sup>		0,925	0,925	0,925	0,925	BAREKS TEST	
Yield	m <sup>2</sup> /kg		18,02	17,16	16,63	15,44	BAREKS TEST	
CoF	ln / ln		≤ 0,3				ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	40,4	43	43,5	45,8	ASTM D882
	TD		± 6	27,5	32	33	33,5	
Elongation at Break	MD	mm	± 100	260	320	330	340	ASTM D882
	TD		± 100	465	470	475	480	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	24,8	26	26,2	27,1	BAREKS TEST
		mm	± 50	135	140	148	150	
Gloss	≥%		80	80	80	80	ASTM D2457	
Haze	≤%		16	16	16	16	ASTM D1003	
Clarity	≥%		90	90	90	90		
Transmittance	≥%		85	85	85	85		

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PROPERTIES								
Parameter	Unit		Value				Test Method	
Thickness	micron		75	80	90	100	BAREKS TEST	
	gauge		300	320	360	400		
Density	g/cm <sup>3</sup>		0,925	0,925	0,925	0,925	BAREKS TEST	
Yield	m <sup>2</sup> /kg		14,41	13,51	12,01	10,81	BAREKS TEST	
CoF	ln / ln		≤ 0,3				ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	46,5	47	49	55,1	ASTM D882
	TD		± 6	34	35	42	47,2	
Elongation at Break	MD	mm	± 100	365	370	380	380	ASTM D882
	TD		± 100	490	500	520	520	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	28	31	34	36,2	BAREKS TEST
		mm	± 50	152	155	160	165	
Gloss	≥%		80	80	80	80	ASTM D2457	
Haze	≤%		20	20	20	20	ASTM D1003	
Clarity	≥%		90	90	90	90		
Transmittance	≥%		85	85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		110	120	130	BAREKS TEST	
	gauge		440	480	520		
Density	g/cm <sup>3</sup>		0,925	0,925	0,925	BAREKS TEST	
Yield	m <sup>2</sup> /kg		9,83	9,01	8,32	BAREKS TEST	
CoF	ln / ln		≤ 0,3			ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	57,5	60,2	70,2	ASTM D882
	TD		± 6	49,4	51,8		
Elongation at Break	MD	mm	± 100	400	430	435	ASTM D882
	TD		± 100	550	570		
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	37,2	38,5	42,1	BAREKS TEST
		mm	± 50	170	175		
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		20	20	20	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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