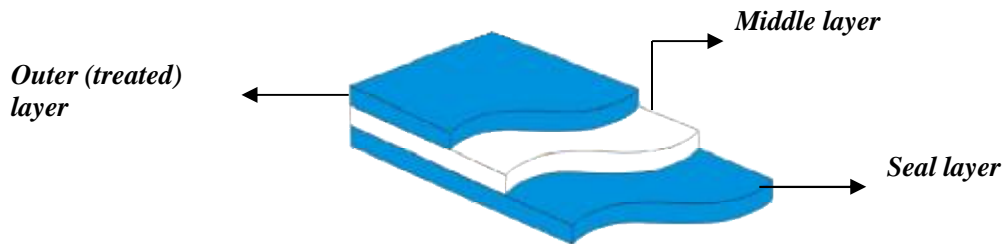


TECHNICAL SPECIFICATION

LD53**CONSTRUCTION****FEATURES AND APPLICATIONS**

- Suitable for PET, OPP, PVC, Metallized PET, Metallized OPP, Al, OPA or Paper lamination.
- Improved tear and puncture resistance.
- Improved sealing strength compared to LD43.
- 5 °C lower sealing initiation temperature than LD43.
- Hot-tack property.
- Suitable for powdered food packaging.

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 certified facilities and have been approved by the British Retail Consortium (BRC).

PRODUCT SAFETY

For more information about our product, please read our Material Safety Data Sheet (MSDS).

PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		20	25	30	BAREKS TEST	
	gauge		80	100	120		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		54,05	43,24	36,04	BAREKS TEST	
CoF	In / In		≤ 0,3			ASTM D1894	
	In / Metal		≤ 0,3				
Tensile Strength	MD	N /25 mm	± 6	16,3	17,6	18,6	ASTM D882
	TD		± 6	8,2	10,9	11,3	
Elongation at Break	MD	mm	± 100	100	100	215	ASTM D882
	TD		± 100	250	270	295	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	13,5	14,8	15,4	BAREKS TEST
		mm	± 50	90	100	110	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		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		35	40	45	BAREKS TEST	
	gauge		140	160	180		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		30,89	27,03	24,02	BAREKS TEST	
CoF	In / In		≤ 0,3			ASTM D1894	
	In / Metal		≤ 0,3				
Tensile Strength	MD	N /25 mm	± 6	21	21,3	29,5	ASTM D882
	TD		± 6	15,2	15,4	18	
Elongation at Break	MD	mm	± 100	230	240	243	ASTM D882
	TD		± 100	350	370	375	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	17	20,2	23,1	BAREKS TEST
		mm	± 50	114	118	120	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		50	55	60	BAREKS TEST	
	gauge		200	220	240		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		21,62	19,66	18,02	BAREKS TEST	
CoF	In / In		≤ 0,3			ASTM D1894	
	In / Metal		≤ 0,3				
Tensile Strength	MD	N /25 mm	± 6	28,3	31,5	32,1	ASTM D882
	TD		± 6	20,5	21,6	22,3	
Elongation at Break	MD	mm	± 100	250	255	264	ASTM D882
	TD		± 100	395	405	410	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	23,6	24,9	25,2	BAREKS TEST
		mm	± 50	124	126	128	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		65	70	75	BAREKS TEST	
	gauge		260	280	300		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		16,63	15,44	14,41	BAREKS TEST	
CoF	In / In		≤ 0,3			ASTM D1894	
	In / Metal		≤ 0,3				
Tensile Strength	MD	N /25 mm	± 6	34	35,2	38,6	ASTM D882
	TD		± 6	23	25,1	30,5	
Elongation at Break	MD	mm	± 100	270	275	280	ASTM D882
	TD		± 100	415	420	425	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	26,2	28	30	BAREKS TEST
		mm	± 50	130	133	138	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		80	85	90	BAREKS TEST	
	gauge		320	340	360		
Density	g/cm ³		0,925	0,925	0,925	BAREKS TEST	
Yield	m ² /kg		13,51	12,72	12,01	BAREKS TEST	
CoF	In / In		≤ 0,3			ASTM D1894	
	In / Metal		≤ 0,3				
Tensile Strength	MD	N /25 mm	± 6	38,6	41,6	42,3	ASTM D882
	TD		± 6	33,8	34,4	35,5	
Elongation at Break	MD	mm	± 100	310	315	320	ASTM D882
	TD		± 100	450	460	470	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	30,6	30,7	30,8	BAREKS TEST
		mm	± 50	142	143	150	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	16	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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PROPERTIES							
Parameter	Unit		Value			Test Method	
Thickness	micron		100	120	150	BAREKS TEST	
	gauge		400	480	600		
Density	g/cm ³		0,95	0,95	0,95	BAREKS TEST	
Yield	m ² /kg		10,53	8,77	7,02	BAREKS TEST	
CoF	In / In		≤ 0,3			ASTM D1894	
	In / Metal		≤ 0,3				
Tensile Strength	MD	N /25 mm	± 6	44,4	54,8	66	ASTM D882
	TD		± 6	36,8	50,2	52,3	
Elongation at Break	MD	mm	± 100	340	370	420	ASTM D882
	TD		± 100	484	505	515	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	31,5	41,5	42,5	BAREKS TEST
		mm	± 50	160	164	172	
Gloss	≥%		80	80	80	ASTM D2457	
Haze	≤%		16	16	23	ASTM D1003	
Clarity	≥%		90	90	90		
Transmittance	≥%		85	85	85		

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