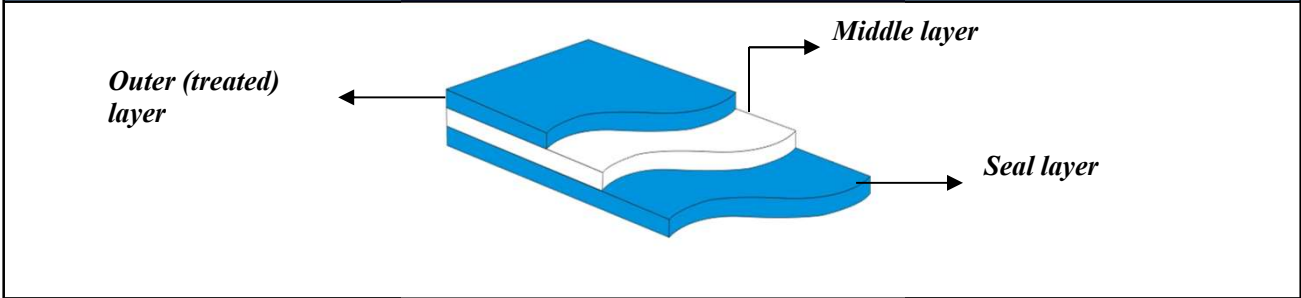


TECHNICAL SPECIFICATION

LD53

CONSTRUCTION



FEATURES and APPLICATIONS

- Suitable for PET, OPP, PVC, Metallized PET, Metallized OPP, Al, OPA or Paper lamination.
- Improved tear and puncture resistance compared to LD43.
- Improved sealing strength compared to LD43.
- 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, 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		20	25	30	35	40	BAREKS TEST	
	gauge		80	100	120	140	160	BAREKS TEST	
Density	g/cm ³		0,927	0,927	0,927	0,927	0,927	BAREKS TEST	
Yield	m ² /kg		53,94	43,15	35,96	30,82	26,97	BAREKS TEST	
CoF	ln / ln		≤ 0,3					ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	16,3	17,6	18,6	21	21,3	ASTM D882
	TD		± 6	8,2	10,9	11,3	15,2	15,4	
Elongation at Break	MD	mm	± 100	100	100	215	230	240	ASTM D882
	TD		± 100	250	270	295	350	370	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	13,5	14,8	15,4	17	20,2	BAREKS TEST
		mm	± 50	90	100	110	114	118	
Gloss	≥%		80	80	80	80	80	ASTM D2457	
Haze	≤%		16	16	16	16	16	ASTM D1003	
Clarity	≥%		90	90	90	90	90		
Transmittance	≥%		85	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		43	45	50	55	60	BAREKS TEST	
	gauge		172	180	200	220	240	BAREKS TEST	
Density	g/cm ³		0,927	0,927	0,927	0,927	0,927	BAREKS TEST	
Yield	m ² /kg		25,09	23,97	21,57	19,61	17,98	BAREKS TEST	
CoF	ln / ln		≤ 0,3					ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	28,3	28,3	29,5	31,5	32,1	ASTM D882
	TD		± 6	18	18	20,5	21,6	22,3	
Elongation at Break	MD	mm	± 100	243	243	250	255	264	ASTM D882
	TD		± 100	375	375	395	405	410	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	23,1	23,1	23,6	24,9	25,2	BAREKS TEST
		mm	± 50	120	120	124	126	128	
Gloss	≥%		80	80	80	80	80	ASTM D2457	
Haze	≤%		16	16	16	16	16	ASTM D1003	
Clarity	≥%		90	90	90	90	90		
Transmittance	≥%		85	85	85	85	85		

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PROPERTIES									
Parameter	Unit		Value					Test Method	
Thickness	micron		65	70	75	80	85	BAREKS TEST	
	gauge		260	280	300	320	340	BAREKS TEST	
Density	g/cm ³		0,927	0,927	0,927	0,927	0,927	BAREKS TEST	
Yield	m ² /kg		16,60	15,41	14,38	13,48	12,69	BAREKS TEST	
CoF	ln / ln		≤ 0,3					ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	34	35,2	38	38,6	41,6	ASTM D882
	TD		± 6	23	25,1	30,5	33,8	34,4	
Elongation at Break	MD	mm	± 100	270	275	280	310	315	ASTM D882
	TD		± 100	415	420	425	450	460	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	26,2	28	30	30,6	30,7	BAREKS TEST
		mm	± 50	130	133	138	142	143	
Gloss	≥%		80	80	80	80	80	ASTM D2457	
Haze	≤%		16	16	16	16	18	ASTM D1003	
Clarity	≥%		90	90	90	90	90		
Transmittance	≥%		85	85	85	85	85		

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PROPERTIES									
Parameter	Unit		Value					Test Method	
Thickness	micron		90	100	110	120	150	BAREKS TEST	
	gauge		360	400	440	480	600	BAREKS TEST	
Density	g/cm ³		0,927	0,927	0,927	0,927	0,927	BAREKS TEST	
Yield	m ² /kg		11,99	10,79	9,81	8,99	7,19	BAREKS TEST	
CoF	ln / ln		≤ 0,3					ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	42,3	44,4	55	60	66	ASTM D882
	TD		± 6	35,5	36,8	49	52	52,3	
Elongation at Break	MD	mm	± 100	320	340	420	420	420	ASTM D882
	TD		± 100	470	484	510	520	520	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	30,8	31,5	36	39	42,5	BAREKS TEST
		mm	± 50	150	160	160	160	172	
Gloss	≥%		80	80	80	80	80	ASTM D2457	
Haze	≤%		18	20	21	23	26	ASTM D1003	
Clarity	≥%		90	90	90	90	90		
Transmittance	≥%		85	85	85	85	85		

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