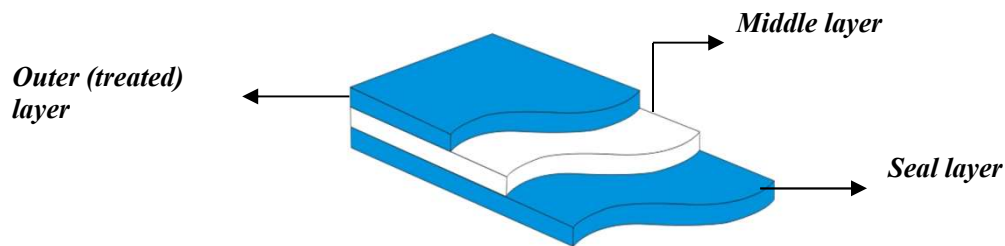


## TECHNICAL SPECIFICATION

# MD53

### CONSTRUCTION



### FEATURES AND APPLICATIONS

- MLDPE blend film.
- Suitable for surface printing,
- High gloss, low haze properties.
- Easy tear property in MD (machine direction).
- Suitable for toilet paper, handkerchief and tissue over wrapping applications.
- Suitable for horizontal 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	35	BAREKS TEST	
	gauge		120	140		
Density	g/cm <sup>3</sup>		0,939	0,939	BAREKS TEST	
Yield	m <sup>2</sup> /kg		35,50	30,43	BAREKS TEST	
CoF	ln / ln		≤ 0,30		ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	20,6	23	ASTM D882
	TD		± 6	13,8		
Elongation at Break	MD	mm	± 100	180	190	ASTM D882
	TD		± 100	190		
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	17,3	18	BAREKS TEST
		mm	± 50	80	90	
Gloss	≥%		80	80	ASTM D2457	
Haze	≤%		16	16	ASTM D1003	
Clarity	≥%		90	90		
Transmittance	≥%		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		40	45	BAREKS TEST	
	gauge		160	180		
Density	g/cm <sup>3</sup>		0,939	0,939	BAREKS TEST	
Yield	m <sup>2</sup> /kg		26,62	23,67	BAREKS TEST	
CoF	In / In		≤ 0,30		ASTM D1894	
Tensile Strength	MD	N /25 mm	± 6	24,2	25	ASTM D882
	TD		± 6	16	18	
Elongation at Break	MD	mm	± 100	200	215	ASTM D882
	TD		± 100	240	250	
Seal Strength / Elongation	3 bar 130°C 0,8 sn	N /25 mm	± 3	18,5	19,5	BAREKS TEST
		mm	± 50	100	100	
Gloss	≥%		80	80	ASTM D2457	
Haze	≤%		16	16	ASTM D1003	
Clarity	≥%		90	90		
Transmittance	≥%		85	85		

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