



# Technical Data Sheet

## Advantage MF Wrap

Unbleached Kraft paper

### End-uses

Unbleached Advantage MF Wrap is mainly used for PE lamination; end use reel wrapping material and other kraft paper applications such as carrier bags.

### Basis weight

The paper is available in 70-110 g/m<sup>2</sup>.

### Materials

Advantage MF Wrap is produced from pure, unbleached long-fibre kraft pulp.

### Approvals

The paper fulfils the German (BfR) and USA (FDA, CONEG) regulations for papers in contact with foodstuffs.

### Certification

The production of Advantage MF Wrap is certified according to the quality system ISO 9001, the environmental management system ISO 14001 and available as PEFC or FSC certified.

Properties		Test method		Typical values				
Basis weight	g/m <sup>2</sup>	ISO 536		70	80	90	100	110
Thickness	µm	ISO 534		105	130	130	145	160
Bending resistance	mN	ISO 2493	MD	75	120	160	230	330
			CD	40	55	80	105	165
Tensile strength	kN/m	ISO 1924/3	MD	8,1	9,1	10,7	12,2	13,8
			CD	4,6	5,2	5,7	6,1	6,3
Stretch	%	ISO 1924/3	MD	2,5	2,5	2,5	2,5	2,5
			CD	7,0	6,5	6,5	6,5	6,5
Tear strength	mN	ISO 1974	MD	750	900	1000	1200	1350
			CD	750	900	1100	1350	1600
Burst strength	kPa	ISO 2758		390	450	530	590	690
Cobb <sub>60</sub>	g/m <sup>2</sup>	ISO 535		28	28	28	28	28
Pick resistance	Dennison	ISO 287		19	19	19	19	19
Roughness Bendtsen	ml/min	ISO 2494	Ts	1150	1250	1400	1650	1900
			Ws	850	1000	1100	1600	1550
SCT	kN/m	ISO 9895	CD	-	-	-	2,2	2,5
Moisture	%	ISO 287		8,0	8,0	8,0	8,0	8,0

Validity: 01.01.2019– 31.12.2019

Test conditions: ISO 554 - 1976 (23°C ± 1°C /RH 50% ± 2%)

MD= Machine Direction, CD= Cross Direction Ts= Top side Ws= Wire side