

# HyPerform™

## Kraft and Kraft Liner Portfolio

Test	Unit	Grade	HPK 100 g/m <sup>2</sup>	HPL 120 g/m <sup>2</sup>	HPL 160 g/m <sup>2</sup>	HPL 185 g/m <sup>2</sup>	HPL 225 g/m <sup>2</sup>	HPL 260 g/m <sup>2</sup>	HPL 375 g/m <sup>2</sup>
Basis Weight	g/m <sup>2</sup>	Minimum	95	115	154	178	215	250	360
		Target	100	120	160	185	225	260	375
		Maximum	105	125	166	192	235	270	390
Moisture	%	Minimum	5,0	5,0	5,0	5,0	5,0	5,0	7,0
		Target	7,0	7,0	7,0	7,0	7,0	7,0	9,0
		Maximum	9,0	9,0	9,0	9,0	9,0	9,0	11,0
RCT	Kgf	Minimum	-	-	-	-	-	-	67
		Target	-	-	-	-	-	-	75
SCT (STFI)	KN/m	Minimum	2,30	2,90	4,13	4,58	4,66	5,00	-
		Target	2,63	3,10	4,38	4,85	5,47	6,03	-
Cobb Wire Side	g/m <sup>2</sup>	Target	55	55	55	55	55	55	55
		Maximum	75	75	75	75	75	75	75
Cobb Felt Side	g/m <sup>2</sup>	Target	40	40	40	40	40	40	40
		Maximum	50	50	50	50	50	50	50
Scuff	marks	Minimum	10	10	10	10	10	10	15
		Target	25	25	25	25	40	25	25
Porosity Gurley	s/100ml	Minimum	10	10	10	10	10	10	10
		Target	40	40	40	20	40	40	25
Z-Directional Tensile	psi	Minimum	25	25	25	25	25	25	25
		Target	32	32	32	32	32	32	32

### NOTES:

- The tests are conducted in standard conditions, at 50 +/- 2% Relative Humidity and 23 +/- 1°C Temperature.
- The specifications refer to the reel average in standard conditions, except for Basis Weight and Moisture when controlled by the Process Computer.
- In case of Process Computer Control, Basis Weight and Moisture specifications refer to the average of each sector of the reel.
- Only paper that does not meet the maximum and minimum required specifications, when existent, is considered out of specification.
- In the Burst test, the specification is typical and considered referential.

Our paper manufacturing process has triple certification: ISO 9001, ISO 14001 and OHSAS 18001, and meets the quality requirements of the GMP program - Good Manufacturing Practices. Our paper is certified by the CERFLOR Chain of Custody, internationally recognized by PEFC.

### Reel Specifications

**Core diameter: 4"**

**Diameter: 1.270 mm**

**Roll diameter tolerance: +20 mm / -40 mm**

**Formats: 600 mm até 2.800 mm**

**Roll width tolerance: ± 3 mm**

Special cases upon request.

**HyPerform™**  
**much more than paper.**

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hyperform@westrock.com

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Version: Set/15

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## Medium Portfolio

Test	Unit	Grade	HPM 100 g/m <sup>2</sup>	HPM 110 g/m <sup>2</sup>	HPM 130 g/m <sup>2</sup>	HPM 170 g/m <sup>2</sup>	HPM 170 g/m <sup>2</sup> FRUIT
Basis Weight	g/m <sup>2</sup>	Minimum	95	105	125	160	160
		Target	100	110	130	170	170
		Maximum	105	115	135	180	180
Moisture	%	Minimum	5,0	5,0	5,0	5,0	5,0
		Target	7,0	7,0	7,0	7,0	7,0
		Maximum	9,0	9,0	9,0	9,0	9,0
CMT	Kgf	Minimum	22	24	30	40	42
		Target	27	28,6	35	46	48
RCT	Kgf	Minimum	11	13	19	30	32
		Target	12,8	14,8	22	34	36
Cobb Wire Side	g/m <sup>2</sup>	Minimum	50	50	50	50	50
		Target	75	75	75	75	75
		Maximum	100	100	100	100	100
Cobb Felt Side	g/m <sup>2</sup>	Minimum	50	50	50	50	50
		Target	75	75	75	75	75
		Maximum	100	100	100	100	100

### NOTES:

- The CMT and RCT tests are mandatory for this paper and are considered a critical tests for approval. It is performed in standard conditions of 50 ± 2% Relative Humidity and 23 ± 1°C Temperature.
- The specifications refer to the reel average in standard conditions, except for Basis Weight and Moisture when controlled by the Process Computer.
- In case of Process Computer Control, Basis Weight and Moisture specifications refer to the average of each sector of the reel.
- Only paper that does not meet the maximum and minimum required specifications, when existent, is considered out of specification.

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### Reel Specifications

**Core diameter: 4"**

**Diameter: 1.270 mm**

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