



Royal White

Product information

Smurfit Kappa Royal White offers excellent strength, highest purity, optimum runnability and a peak performance for printing. Excellent sheet formation, surface smoothness and the high level of brightness guarantee excellent printing quality.

Smurfit Kappa Royal White may be used where the highest demands are placed on the final product in term of strength, runnability and printability. It offers a very high creep resistance for long time storage at variable climatic conditions and high humidity. It also provides outstanding stacking strength. The product is used for food & beverage packaging, industrially packaging, luxurious packaging, heavy duty applications and dangerous goods packaging. It is also suitable to packaging for cold storage houses, such as agricultural products like vegetables and fruits.

Smurfit Kappa Royal White is a two ply kraftliner. The top ply consists of bleached hardwood kraft fibres. The bleaching is performed under closed and totally chlorine free conditions (TCF). The base ply is made of softwood fibres.

Smurfit Kappa Royal White is 100% recyclable and therefore ideal for sustainable and environmental packaging solutions.

Smurfit Kappa Royal White will provide the highest strength and print properties and combined with optimum runnability in your process. Royal White will help ensure your products meet or exceed your customer requirements in all applications.

Core	10 centimetres is standard inside diameter.
Reel width	Minimum width is 60 and maximum width is 350 centimetres. The trimmed width of the paper machine is 6,5 metres.
Reel diameter	125 or 140 centimetres are the two standards.
Winding mode	Top side (printing side) is wound outwards.
Marking	Two labels on the belly.
Reel wrapping	Paper end is both glued and taped. No bands are used. Core plugs are made of wood when used. Five layers are packaging.

Management systems:

Quality	ISO 9001
Environmental	ISO 14001
Hygiene	EN 15593
Sustainable forestry	FSC and PEFC, Chain of Custody
Health and Safety	OHSAS 18001

Smurfit Kappa
Piteå
Sweden

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Quality declaration

Typical values at 50% RH and 23°C

PROPERTY	UNIT	TEST METHOD						
Substance	g/m ²	ISO 536	115	125	135	160	175	200
Moisture content	%	on-line	8	8	8	8	8	8
Thickness	µm	ISO 534	140	150	165	190	205	235
SCT, CD	kN/m	ISO 9895	2.4	2.7	2.9	3.3	3.6	4.1
Bursting strenght	kPa	ISO 2758	500	560	610	730	780	890
Cobb ₆₀ top side	g/m ²	ISO 535	30	30	30	30	30	30
Roughness, Bendtsen	ml/min	ISO 879-2	225	250	300	350	350	400
Brightness	%	ISO 2470-1	80	80	80	80	80	80
L-value		ISO 5631-1	90.0	90.0	90.0	90.0	90.0	90.0
a-value		ISO 5631-1	1.0	1.0	1.0	1.0	1.0	1.0
b-value		ISO 5631-1	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5

Guaranteed values at 50 % RH and 23°C

PROPERTY	UNIT	TEST METHOD						
Substance	g/m ²	ISO 536	115	125	135	160	175	200
Substance tolerance	%	ISO 536	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3
Moisture tolerance	%	on-line	8 +/- 1.5	8 +/- 1.5	8 +/- 1.5	8 +/- 1.5	8 +/- 1.5	8 +/- 1.5
SCT, CD	kN/m	ISO 9895	2.1	2.4	2.6	3.0	3.3	3.8
Bursting strenght	kPa	ISO 2758	430	490	540	640	690	790
Scott Bond	J/m ²	Tappi T833	200	200	200	200	200	200
Cobb ₆₀ top side	g/m ²	ISO 535	≤ 40	≤ 40	≤ 40	≤ 40	≤ 40	≤ 40
Cobb ₁₈₀₀ top side *	g/m ²	ISO 535	≤ 155	≤ 155	≤ 155	≤ 155	≤ 155	≤ 155
Roughness, Bendtsen	ml/min	ISO 879-2	500	500	500	600	600	600
Brightness	%	ISO 2470-1	78	78	78	78	78	78

*with 3 blotting papers

We guarantee our measured values are equal to or better than the guaranteed values given. For the intervals specified we guarantee our measured values are within the tolerance given. Our testing equipment is calibrated to match the round robin mean value of the CEPI Comparative Test.

Valid until January 2019