

SPECIFICATION OF KM CLEAN PAPER



KM Clean Paper is specially designed for writing, printing and photo-copying in the cleanroom environment. Through polymerization process, fiber, lint and particulates are tightly bound into the sheet, and decrease electro-static buildup, which will eventually minimize scrap rate of copier.

KM Clean Paper provides a variety of color and size such as notebook, printer form, memo pad, chart paper and etc.

- Significantly reduced particles counts
- Enhanced ink reception for clear printing
- Decrease scrap rate of copier or printer
- Application: Writing or printing media in the cleanroom

Available color: White, Sky blue, Dark-Blue, Yellow, Green, Pink, Orange, Jade, Light Violet, Light Orange.

Available size: A3,A4,A5,B3,B4,B5, Letter, 80 Column, 132 Column, Customized size

1. Physical properties

Performance characteristics	SPEC	Remarks
Size (mm)	±0.5	Rule
Weight (g /sqm)	80±3	Cas, Balance
Thickness (μm)	110±5	Peacock
Smoothness(sec)	40±10	KSM7028, Bekk
Jam (%)	Less 3	HP Desk Jet 950C Portor
Ink acceptability (μm)	Less 150	Achromatisch
Moisture	6±1	KSM, Brainweight MB301
Opacity (%)	above 70	KSM, GE
Ash(%)	1±0.5	Furnace
Pulp dissolubility(min)	<20	TAPPI,Agitator

2. Technical data

Performance characteristics	SPEC	Remarks
Particle count (ea/cfm/0.3~1 μm)		
Crumpling	<30	Met one A237H
Rubbing	<30	Met one A237H
Tearing	<30	Met one A237H
Static build-up(v/cm²)		
Before- friction	<5	Simco SS-2X
After- friction	<50	Simco SS-2X
Surface resistivity(Ω/sq)	2 x 10 ¹¹	Lcaci 4758
Extractable ions (ppm)		
Li	<0.01	IES-RP020-88-T
Na	<110	IES-RP020-88-T
NH ₄	<0.1	IES-RP020-88-T
K	<20	IES-RP020-88-T
Cl	<80	IES-RP020-88-T
NO ₂	<0.1	IES-RP020-88-T
Br	<0.1	IES-RP020-88-T
NO ₃	<0.1	IES-RP020-88-T
HPO ₄	<0.1	IES-RP020-88-T
SO ₄	<5	IES-RP020-88-T