

“**CLASS 10**”®



SPECIFICATIONS FOR CLEAN ROOM PAPER

28# LATEX-FREE Clean Room Paper

Available in White, Blue, Canary, Green, Cream, Goldenrod, Grey, Ivory, and Pink.

Performance Characteristics	Spec	Data	Test Method	Tester
Basis weight (g/m ²)	28#±43	101	KSM7013	Chern. Balance
Thickness (micro-m)	115±54	116	KSM7021	Thick Gauge
Tensile strength, kg/15mm (MD)	10±1.0	11	KSM7014	Schopper
Tensile strength, kg/15mm (CD)	9±1.0	9.5	KSM7014	Schopper
Smoothness, sec (TOP)	30±10	32	KSM7028	Bekk
Smoothness, sec (Wire)	30±10	31	KSM	Bekk
Whiteness (%)	80 above	83	KSM	GE
Opacity (%)	80 above	81	KSM	GE
Moisture(%)	6.5±1.0	6	KSM	Rainweigh MB30
Ash(%)	1.0±0.5	.05		Furnace
Static build-up (V/cm)				SSD Statiron-DZ
-Before - friction (20°C, 60%RH)	5	5		
-After -friction (20°C, 60%RH)	50	45		
Surface resistivity	2x 10 ¹¹	2 X 10 ¹¹	SuperMegohmmeter	SIMCO St-3
Particle (ea/cfm/0.3-1 mic.m)				Metone 1570H
Friction	<10 5		SEMI G67 -0996	
Crumpling	<10	7		
Tearing & Crumpling	<20	13		
Pulp dissolubility (min)	<20	16	TAPPI	Agitator
Extractable ions (ppm)				
NA	<300	240	ASTM D4085	ICP
K	100	67	ASTM D4085	ICP
C1	<20	5	Leaching Method	IC
804	<520	5.1	Leaching Method	IC

Remark: 1) Na, K:ASTM 04085 : 1993 Apply correspondingly

2) C1, S04 : Leaching Condition : Distilled Water 100ml/ 10g x room Temperature x 100rpm x 24hr

Additional Features: This 28# Latex-Free paper has been injected with a synthetic copolymer to substantially reduce particle generation. Exceptional thickness and strength, with excellent heat resistance. Ideal for use in printers and high speed photocopies. High opacity and “Class 10 Certified”