



NanoTek[®]
ISO 3-4 (Class 1-10)

Valutek 23 LB Letter Size Cleanroom Paper



Valutek's 23lb letter size cleanroom paper is specially formulated with cellulose fiber, surrounded and bonded by a polymer impregnated substrate.

This special formulation minimizes particulate and ink smearing and provides the paper with high tear, tensile strength, ultra low levels of particle and extractable counts.

All Valutek cleanroom papers are tested and manufactured in ISO compliant facilities under Valutek inspection and strict process control to ensure Valutek quality standards and products specifications.

Part Number: VTCRPS23X-8511

Application

As part of the **Valutek Nanotek product family**, this product is commonly used for note taking, laser printing and photocopies.

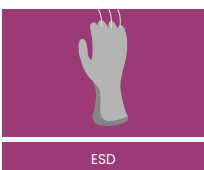
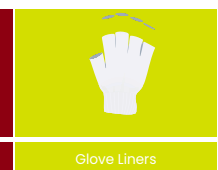
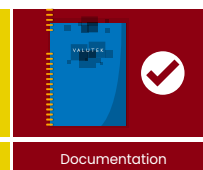
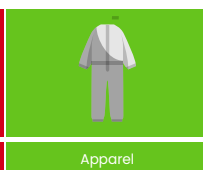
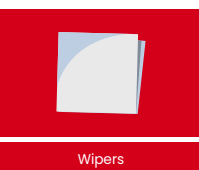
It is also utilized as a form and log sheet in a cleanroom **Class 1-10 (ISO 3-4)** critical environment. It is compatible with most inks without smudging, ensuring minimal particle and fiber generation, as well as low ionic contamination.

Size, Color and Packaging



- Critical environment compatible.
- All cleanroom papers are fully part number and lot number traceable.

Part Number	Color	Size	Packaging
VTCRPS23B-8511	Blue	8.5" x 11" 21.6 cm x 28 cm	250 sheets/ream, 10 reams/case, 2500 sheets/case
VTCRPS23G-8511	Green	8.5" x 11" 21.6 cm x 28 cm	250 sheets/ream, 10 reams/case, 2500 sheets/case
VTCRPS23W-8511	White	8.5" x 11" 21.6 cm x 28 cm	250 sheets/ream, 10 reams/case, 2500 sheets/case
VTCRPS23O-8511	Orange	8.5" x 11" 21.6 cm x 28 cm	250 sheets/ream, 10 reams/case, 2500 sheets/case
VTCRPS23P-8511	Pink	8.5" x 11" 21.6 cm x 28 cm	250 sheets/ream, 10 reams/case, 2500 sheets/case
VTCRPS23Y-8511	Yellow	8.5" x 11" 21.6 cm x 28 cm	250 sheets/ream, 10 reams/case, 2500 sheets/case



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VTCRPS23X-8511 Performance

Attribute	Value	Units	Test Method
Physical Properties			
Basis Weight	23 / 80	lb / gsmz	TAPPI T-410
Caliper	3.8 ± 0.3	mils	TAPPI T-411
Surface Resistivity	5.5 x 1010	Ohms/sq	ESD-S11.11-1993
Surface Resistivity	≥300	mN	Elmendorf Tear Test
Tear Strength (CD)	≥400	mN	
Opacity	≥ 85	%	
Technical Performance			
Particles (Flexing Test): ≥0.5 μm	20	counts/ft³ /sheet	IEST-RP.CC020.3, Sec 6.1
Particles (At Rest): ≥0.5 μm	3	counts/ft³ /sheet	
Talc Check (by SEM-EDX)	<5	particles	
Ion Chromatography			
F	0.012	ug/cm²	IEST-RP.CC020.3, Sec 7
Br	0.002	ug/cm²	
NO3	0.001	ug/cm²	
SO4	0.041	ug/cm²	
Cl	0.004	ug/cm²	
K	0.14	ug/cm²	
Mg	0.08	ug/cm²	
Na	0.10	ug/cm²	
NH4	0.03	ug/cm²	
Ca	2	ug/cm²	

***Note:** Technical data listed reflects upper/lower limits. Certificates of Analysis available upon request for actual lot-to-lot test data. 36 month lot trend analysis available upon request



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