



Cleanroom paper Made in Germany

Cleanroom Paper must have a number of characteristics which are not practical or useful for standard papers. In particular, during handling it July only release a minimal number of particles. The fulfilment of this requirement prohibits the use of additives in paper production, which could easily be released when such paper is used. The dust on the cutting edges arising from cutting the cleanroom paper to format must be carefully removed. Cleanroom paper should be abrasion resistant, copyable, writable, printable and also sterilisable for use in the Pharma Industry. The paper should be tear and rip resistant so that limited numers of particles are released during handling and there is no damage to the edges due to ripping. For the Semiconductor Industry it is important that cleanroom paper July only release minimal amounts of ionic contamination, because this can pose a risk for the semiconductor manufacturing process. Galaxy® cleanroom paper is used by the European Semiconductor-Industry since the early 90s.

Characteristics

cleanroom paper with polymer coating, DIN format packs of 500 sheets

Features

low particle release, low ionic content

Application

As medium for documentation purposes in cleanrooms and laboratiories of the semiconductor and pharmaceutical industry

General technical specification

Construction	Paper
Cutting	mechanically
Coating	Polymer
Laser printer	well suited
Ink jet printer	exeeded drying time
Sterilisable	Possible
Stat. Quality control	yes

Our SEM image on the right shows clearly, that our GALAXY® cleanroom paper has a high surface density, which ensures optimal surface purity due to the sealing with particle-binding polymers. Moreover, we offer our cleanroom paper with the following additional options: e.g. printed, with a 2 mm marking on both left and right margins in red, with standard multiple holes or, if specified, with holes and markings on both margins. We will also cut the paper to special formats up to a maximum of 106 x 60 cm.



SEM photo Yuko Labuda, image width 3 mm



General technical data			
Paper-construction	Value	Unit	After method
Thickness	0.103	mm	ISO 9073-2
Mass per surface unit	84.8	g/m²	ISO 9073-1
Tensile strength long	222.3	N	ISO 9073-3
Tensile strength lat	112.2	N	ISO 9073-3
Micro roughness RZ long	15.2	μm	ISO 9073-3
Micro roughness RZ lat	14.3	μm	ISO 9073-3

Other parameters	Value	Unit	After method
Triboelectric charge	1.8	kV	CC-W-TE
decay time	1.24	S	CC-W-TE

Anion and cation inventory in ppm measurement with capillary electrophoresis							
Chloride	Fluoride	Nitrate	Nitrite	Phosphate	Sulphate		
0.76	0.084	0.514	-	0.078	0.887		
Ammonium	Barium	Calcium	Potassium	Lithium	Magnesium	Sodium	Strontium
0.072	-	-	0.103	-	-	2.805	-

Classes GALAXY®-Clea Classes	Dekontaminination of the edges	Paper surface with polymer-sealing	Extra-low ion-content	
Dekontaminated	X	X	Х	
Standard	-	X	Х	

All data in this sheet are based on measurements taken at the time of their issuance. The publication of this document does not constitute a guarantee for the continued compliance with these data. On request, you will receive current data and tolerance limits from our laboratory. Subject to change without prior notice. Errors and omissions excepted. Clear & Clean is a company certified according to the EN ISO 9001: 2015 standard. The quality assurance measures are described in our quality manual. When the data contained in this data sheet are changed, no automatic alteration is made. Clean room consumable products cannot be classified according to a clean room class for air purity according to ISO-14644-1.



Order and packing information GALAXY®							
Туре	Surface weight in g/m²	Standard format size	Dimensions pack in cm	Packs per carton	Sheets per car- ton	Weight per carton in kg	Dimensions p. carton in cm
CC118D	80	А3	42 x 30 x 4.8	2	1000	10.5	45 x 33 x 12
CC115D	80	A4	30 x 21 x 4.8	5	2500	13.5	31 x 23 x 24
CC117D	80	A5	21 x 15 x 4.8	10	5000	13.5	31 x 23 x 24
CC118S	80	А3	42 x 30 x 4.8	2	1000	10.5	45 x 33 x 12
CC115S	80	A4	30 x 21 x 4.8	5	2500	13.5	31 x 23 x 24
CC117S	80	A5	21 x 15 x 4.8	10	5000	13.5	31 x 23 x 24

Order and packing information / slip of paper, pocketblocks, collegeblocks and separators GALAXY® Type Product Size Surface Pieces Dimensions of Weight per weight in g/m² per pack pack in kg pack in cm CC110 Pocketblock A7, 100 pages 80 12 18 x 15 x 5 0.65 CC112 Collegeblock A4, 100 pages 80 4 35 x 26 x 3.5 1.7 CC114 Collegeblock A5, 100 pages 80 4 22 x 18 x 4 0.74 CC113S-15 Separators Ø 15 cm 80 2000 34 x 23 x 11 3.3