

Berkshire Corporation - Vital Statistics

Physical Properties		Fibers		Particles ($\geq 0.5\mu\text{m}$)		Sorbency		Non-Volatile Residue			Ions (ppm)			
Basis Weight (g/m ²)	Caliper (μm)	$\geq 100\mu\text{m/cm}^2$	Biaxial Shake (x10 ³ /cm ²)	Capacity (mL/m ²)	Efficiency (mL/g)	Rate (seconds)	H ₂ O (g/m ²)	2-Propanol (g/m ²)	Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	Cl ⁻	

Recommended for use in ISO Class 3-5 (Class 1-100) Cleanroom Applications

Choice 700	126	406	0.087	1.8	439	3.5	1	0.0040	0.0020	0.12	0.023	0.20	0.011	0.056
Choice 900	144	450	0.27	1.9	461	3.2	1	0.0059	0.014	0.030	0.042	0.093	0.013	0.056
Choice Sealed Edge Knit	130	356	0.052	1.8	371	2.9	1	0.018	0.013	0.13	ND	0.039	0.010	0.12
Choice Sterile Sealed Edge Knit	130	356	0.052	1.8	371	2.9	1	0.018	0.013	0.13	ND	0.039	0.010	0.12
Gamma Wipe 300	178	526	0.010	1.3	497	2.8	1	0.023	0.032	0.0054	0.0026	0.014	ND	0.058
Gamma Wipe SuperSorb	259	803	0.17	1.6	975	3.8	1	0.034	0.047	0.12	0.0018	0.025	0.0066	0.16
Gamma Wipe VP	125	421	0.044	0.64	429	3.4	1	0.016	0.037	0.18	0.018	0.033	0.0090	0.30
MicroSeal 1200	153	476	0.036	1.2	454	3.0	1	0.0018	0.012	0.15	ND	0.10	0.011	0.19
MicroSeal 3000 9x9	153	476	0.087	1.7	454	3.0	1	0.020	0.090	0.15	ND	0.10	0.011	0.080
MicroSeal SuperSorb	259	803	0.17	1.6	975	3.8	1	0.034	0.047	0.12	0.0018	0.025	0.0066	0.16
MicroSeal-VP	125	421	0.044	0.64	429	3.4	1	0.016	0.037	0.18	0.018	0.033	0.0090	0.30
SatPax 3000	145	436	0.036	1.3	450	3.1	1	0.017	0.049	0.010	0.0090	0.013	0.0039	ND
SatPax HA-R	129	420	0.14	1.9	484	3.7	1	0.014	0.021	0.14	0.00051	0.060	0.013	0.098
SatPax MicroSeal 1200	153	476	0.036	1.2	454	3.0	1	0.0018	0.012	0.15	ND	0.10	0.011	0.19
SatPax ValuSeal 1500	128	444	0.031	1.4	452	3.5	1	0.013	0.024	0.064	0.0060	0.13	0.028	0.14
Ultra-Seal 3000-9x9	145	436	0.036	1.3	450	3.1	1	0.017	0.049	0.010	0.0090	0.013	0.0039	ND
Ultra-Seal 3000 12x12	178	526	0.010	1.3	497	2.8	1	0.023	0.032	0.0054	0.0026	0.014	ND	0.058
ValuSeal 1500	128	444	0.031	1.4	452	3.5	1	0.013	0.024	0.064	0.0060	0.13	0.028	0.14
ValuSeal HA	129	420	0.14	1.9	484	3.7	1	0.014	0.021	0.14	0.00051	0.060	0.013	0.098
ValuSeal-LP	142	436	0.025	1.2	402	2.8	1	0.020	0.020	0.066	0.11	0.038	0.0048	0.11

Recommended for use in ISO Class 4-5 (Class 10-100) Cleanroom Applications

Choice 800	140	410	0.94	2.8	453	2.8	1	0.012	0.050	0.068	0.012	0.10	0.021	0.056
Gamma Wipe 120	154	471	0.39	1.5	451	2.9	1	0.012	0.014	0.42	ND	0.10	0.019	0.41
SatPax 1200	154	471	0.39	1.5	451	2.9	1	0.012	0.014	0.42	ND	0.10	0.019	0.41
Sterile SatPax 1200	154	471	0.39	1.5	451	2.9	1	0.012	0.014	0.42	ND	0.10	0.019	0.41
Super Polx 1200	154	471	0.39	1.5	451	2.9	1	0.012	0.014	0.42	ND	0.10	0.019	0.41
Super Polx 1500	128	446	1.5	1.2	459	3.6	1	0.020	0.012	0.17	ND	0.092	0.0088	0.22

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Physical Properties		Fibers		Particles (> 0.5 μm)		Sorbency		Non-Volatile Residue (g/m ²)		Ions (ppm)				
Basis Weight (g/m ²)	Caliper (μm)	(> 100 μm/cm ²)	(> 0.5 μm)	Biaxial Shake (x10 ⁹ /cm ²)	Capacity (mL/m ²)	Efficiency (mL/g)	Rate (seconds)	H ₂ O (g/m ²)	2-Propanol (g/m ²)	Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	Cl ⁻

Recommended for use in ISO Class 5-8 (Class 100-10,000) Cleanroom Applications

BlueSorb 750	67.9	251	98	29	299	4.4	3	0.048	0.0063	14	1.7	32	7.3	13
Choice 100	69.0	250	200	25	325	4.7	2	0.041	0.0056	39	2.4	8.0	3.9	18
Durx 670	68.5	251	110	20	301	4.4	3	0.034	0.0040	18	0.84	0.85	0.44	7.5
Durx 770	70.5	227	6.9	8.8	227	3.2	4	0.14	0.020	110	12	3.1	1.4	56
EcoClean 35	37.3	201	31	54	289	7.7	2	0.020	0.028	27	0.63	ND	ND	3.6
EcoClean 60	62.1	255	20	70	365	5.9	2	0.023	0.024	56	0.70	0.31	0.14	ND
Gamma Wipe 67	68.5	251	110	20	301	4.4	3	0.034	0.0040	18	0.84	0.85	0.44	7.5
MicroFirst	57.0	240	58	22	262	4.6	5	0.037	0.0086	18	2.0	29	8.4	13
MicroFirst LP	67.3	283	11	8.0	353	5.2	4	0.038	0.0060	14	1.6	23	7.2	12
Polx 1200	106	365	20	47	358	3.4	1	0.022	0.0089	8.0	1.0	3.5	1.6	3.7
ProjX 700	52.4	216	150	69	292	5.6	3	0.036	0.0038	17	2.0	27	6.8	14
Pro-Wipe 750	67.7	340	3.1	14	481	7.1	1	0.095	0.017	69	23	1.0	0.50	33
Pro-Wipe 880	73.4	416	0.47	6.1	428	5.8	4	0.16	0.042	1.2	57	0.60	0.32	1.6
SatPax 550	34.6	197	1.1	1.0	NA	NA	NA	0.022	0.0055	0.075	0.012	0.65	0.095	0.47
SatPax 670-R	68.5	251	110	20	301	4.4	3	0.034	0.0040	18	0.84	0.85	0.44	7.5
SatPax 1000	68.5	251	110	20	301	4.4	3	0.034	0.0040	18	0.84	0.85	0.44	7.5
Sterile SatPax 670	68.5	251	110	20	301	4.4	3	0.034	0.0040	18	0.84	0.85	0.44	7.5
Sterile SatPax 1000	68.5	251	110	20	301	4.4	3	0.034	0.0040	NA	NA	NA	NA	NA
Sunsorb 300	27.7	222	11	87	339	12	3	0.0086	0.0021	53	1.6	0.18	0.083	6.7
ValuClean	69.0	250	200	25	325	4.7	2	0.041	0.0056	39	2.4	8.0	3.9	18

Recommended for use in ISO Class 6-8 (Class 1,000-100,000) Cleanroom Applications

Labx 123	12.1	42.2	1.5	36	69.0	5.7	NA	0.010	0.0028	23	1.7	10	3.3	14
Labx 170	17.0	70.1	0.31	23	93.1	5.5	40	0.041	0.0031	220	7.1	29	8.4	24
Lenx 90	9.71	49.4	2.7	6.8	82.2	8/5	NA	0.058	0.00077	280	10	76	12	260
Twilix 1622	168	350	NA	NA	319	1.8	10	0.11	0.057	43	0.69	21	22	3.2

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Physical Properties		Fibers	Particles (> 0.5µm)		Non-Volatile Residue		Ions (ppm)			Tear		Burst
Basis Weight (g/m ²)	Caliper (µm)	(> 100µm/cm ²)	Wet Test (x10 ³ /cm ²)	Helmke Drum (part./ft ² /sheet)	H ₂ O (g/m ²)	2-Propanol (g/m ²)	Na ⁺	K ⁺	Ca ⁺⁺	Mg ⁺⁺	Cl ⁻	kPa

Documentation Systems

680 Bond	68.9	99.1	0.031	0.085	24	0.040	0.053	130	2.8	2.0	0.66	40	673	790	333
850 Bond	85.1	118	0.036	0.088	22	0.039	0.048	115	2.5	2.4	0.67	36	900	924	424
1040 Bond	103	133	0.061	0.11	32	0.045	0.063	92	2.0	1.7	0.51	41	1224	1303	490
850 EcoBond	84.2	104	0.12	0.22	90	0.30	0.066	110	14	3.0	0.66	18	1018	1091	452
1040 EcoBond	104	127	0.40	0.21	95	0.52	0.015	130	8.7	2.2	0.56	51	1289	1179	584
Spiral Notebook	103	133	0.061	0.11	32	0.045	0.063	92	2.0	1.7	0.51	41	1224	1303	490

PFE 0.1 µm (%)	BFE 3.0 µm (%)	Differential Pressure (mm H ₂ O/cm ²)	Helmke Drum (part/cu ft)
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BCR Masks

BCR Mask 1 (BM.1.12)	98.3	99.8	1.9	89
BCR Mask 1-BEWO (BM.1BEWO.12)	98.4	99.8	3.1	390
BCR Mask-2FE, fractured. film, 195mm, KEL (BM.2FEWV.12)	92.5	93.0	0.9	55