

Gusmer's 1300SD all cellulose filter series is a blend of refined cellulose fibers and wet strength resins which offers enhanced contaminant loading capacity. This filter series is the best option for low extractables, high wet strength, and increased throughout.



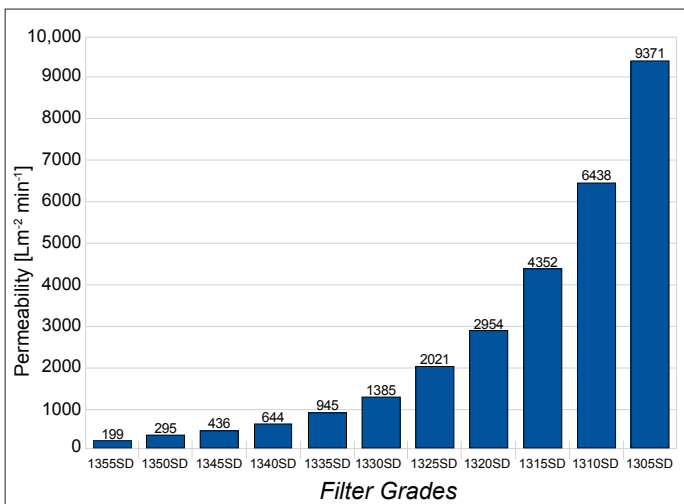
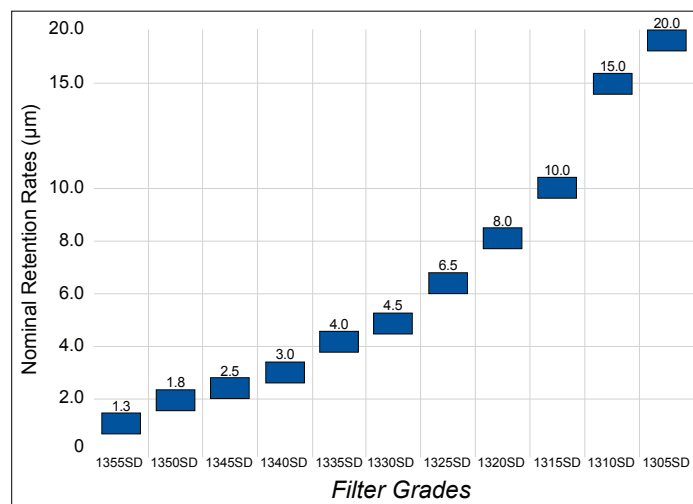
APPLICATION GUIDE

The information in this Application Guide is provided as a recommendation.

Filtration Type	Filter Grades	Possible Applications	Recommended Flow Rates gal/hr/ft ² (liter/hr/m ²)	Maximum Differential Pressure (psid)
Coarse Filtration	1305SD	Arrest Fermentation, Prefiltering Biologicals, Removal of Carbon Fines	30 - 60 (1222 - 2445)	45
Coarse / Fine Filtration	1310SD 1315SD 1320SD 1325SD 1330SD	Arrest Fermentation, Clarification of Viscous Fluid (i.e. oils, syrups, sauces)	25 - 50 (1019 - 2037)	45
Fine Filtration	1335SD 1340SD 1345SD 1350SD 1355SD	Large Particulate Removal, Retention of Gels and Salts	20 - 30 (815 - 1222)	45

SHEET RETENTION AND PERMEABILITY RATINGS

Find the appropriate 1300SD filter for your application by choosing the desired level of retention and permeability.



PHYSICAL SHEET PROPERTIES

These tests are carried out according to ASTM methods or in accordance with Gusmer's standard laboratory test methods.

Grade Designation	Thickness (mm)	Mass per unit Area (gsm)
1305SD	2.79	490
1310SD	2.79	490
1315SD	4.32	785
1320SD	4.32	840
1325SD	4.32	895
1330SD	4.32	955
1335SD	4.32	1020
1340SD	4.32	1160
1345SD	4.32	1160
1350SD	4.32	1230
1355SD	4.32	1345

Note: Test results are typical.

CERTIFICATIONS

Other documents including Certificate of Compliance, Certificate of Analysis, and Material Safety Data Sheets are available upon request. Supporting documentation is on file at Gusmer Enterprises, Inc.

CHEMICAL DATA

Typical metal extractables for the 1300SD Series are provided.

Metals	µg/g media
Aluminum (Al)	---
Antimony (Sb)	---
Arsenic (As)	---
Barium (Ba)	0.80
Boron (B)	---
Calcium (Ca)	633
Copper (Cu)	---
Iron (Fe)	---
Lithium (Li)	---
Magnesium (Mg)	371
Manganese (Mn)	0.90
Molybdenum (Mo)	---
Nickel (Ni)	---
Potassium (K)	---
Sodium (Na)	135
Strontium (Sr)	1.60
Titanium (Ti)	---
Tungsten (W)	---
Vanadium (V)	---
Zinc (Zn)	5.30

Metals: ppb, pure water flush of 5 L/sq. ft. with 24-hr soak

Note: "—" indicates metal was not detected

Note: Bi, Cd, Cr, Co, Ga, Ge, Pb, Hg, Ag, Sn also not detected in any sample



Important Note: Gusmer Enterprises, Inc. provides this information to the best of our knowledge. This information does not claim to be complete and Gusmer Enterprises, Inc. cannot assume liability for improper use. All users are advised to test products to meet their specific needs.