



Cellulose 1700W Series Product Data Sheet

Gusmer's 1700W depth filter sheets are specifically designed for coarse, polish, and sterile filtration applications. The 1700W series consists of 11 different retention grades. Exhibiting a positive zeta potential, the mixtures of cellulose and inorganic filter aids provide reliable filtration performance for all applications.

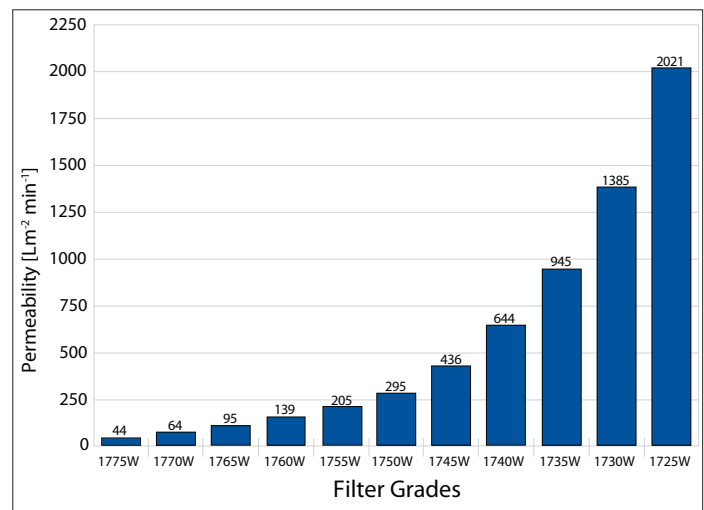
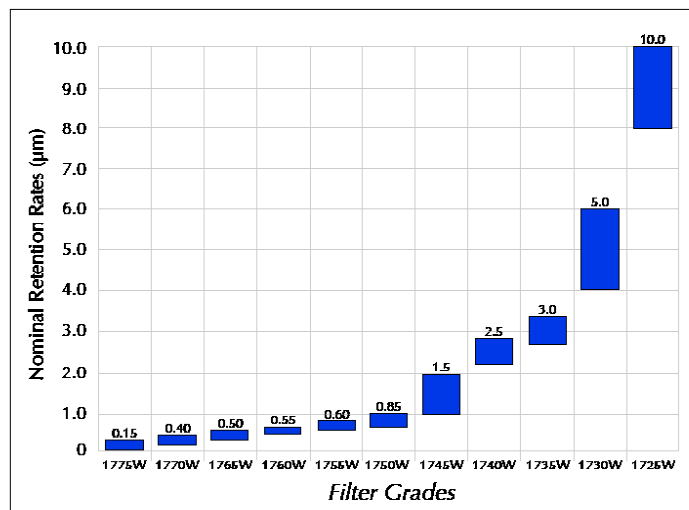
APPLICATION GUIDE

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 Flow Rates gal/hr/ft ² (liter/hr/m ²)	Maximum Differential Pressure (psid)
Coarse Filtration	1725W	Gross Clarification	16 - 32 (652 - 1304)	30 - 40 (1222 - 1630)	45
	1730W				
	1735W				
	1740W				
Polish / Clarifying Filtration	1745W	Haze Reduction	8 - 24 (326 - 978)	20 - 30 (815 - 1222)	45
	1750W				
	1755W				
Sterile / Pre-membrane Filtration	1760W	Membrane Filtration Protection, Bioreduction	3 - 12 (122 - 489)	10 - 15 (407 - 611)	21
	1765W				
	1770W				
	1775W				

SHEET RETENTION AND PERMEABILITY RATINGS

Find the appropriate 1700W 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)	Ash Content (%)
1725W	4.32	921	45.0
1730W	4.32	1000	39.0
1735W	4.32	1020	42.0
1740W	4.32	1075	45.0
1745W	4.32	1140	49.0
1750W	4.32	1265	53.0
1755W	4.32	1294	56.0
1760W	4.32	1390	60.0
1765W	4.32	1420	63.0
1770W	4.32	1500	66.0
1775W	4.32	1550	68.0

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 1700W Series are provided.

Metals	µg/g media
Aluminum (Al)	0.50
Antimony (Sb)	0.05
Arsenic (As)	0.10
Barium (Ba)	0.15
Boron (B)	---
Calcium (Ca)	180.0
Copper (Cu)	1.30
Iron (Fe)	2.15
Lithium (Li)	0.05
Magnesium (Mg)	10.0
Manganese (Mn)	0.35
Molybdenum (Mo)	0.20
Nickel (Ni)	---
Potassium (K)	8.50
Sodium (Na)	10.0
Strontium (Sr)	0.60
Titanium (Ti)	0.05
Tungsten (W)	0.10
Vanadium (V)	0.80
Zinc (Zn)	0.15

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, Ni, 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.



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