

Gusmer's Carbac gradient density filter sheets are a composite of the finest charge-modified cellulose pulps, activated carbon powder, and inorganic filter aids. Produced with controlled porosity and positive charge (zeta potential/ electro kinetic absorption), the Carbac filter sheets have a high wet strength, excellent throughput capacity and superior adsorption capabilities.

Available Grades

Grades	Description
HCX*	Chemically activated wood; ideal for flavor, odor and color removal.
CRX	Chemically activated pine-wood; especially suited for decolorization.
CRM*	

*Available in sheets and/or Cellu-Stack® configurations

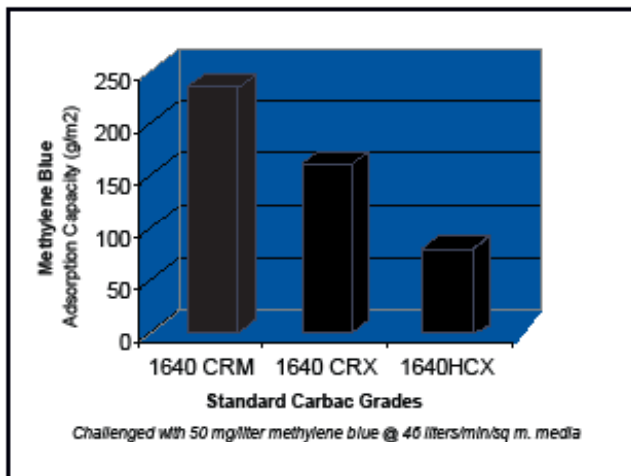


Benefits

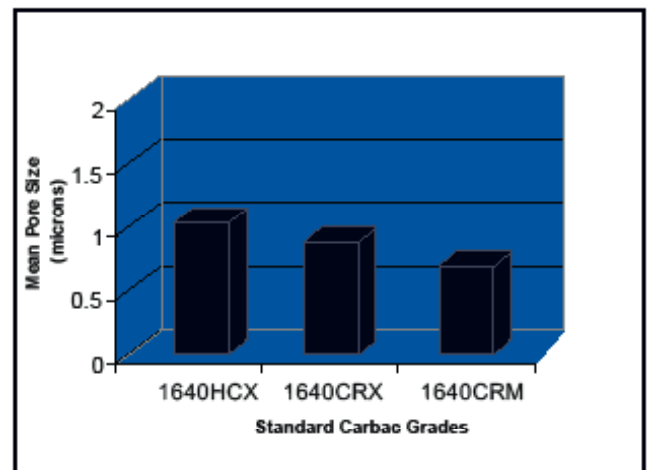
Gusmer's Carbac filter sheet series media are manufactured under strict quality control guidelines to ensure uniform and consistent performance.

- ◇ Monitored gradient density matrix assures consistent filtration performance.
- ◇ Tortuous rigid matrix prevents channeling of the flow stream as is common with powdered carbon beds.
- ◇ The use of cross-linking wet strength binders result in negligible carbon fine release.
- ◇ Media available to fit virtually any filter press.
- ◇ Available in a variety of specialty grades of carbon to meet customers' needs.
- ◇ Media available in anti-rotating Cellu-Stack configurations for positive sealing.

Adsorption Capacity



Mean Pore Size



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)
1640HCX	4.20	1300
1640CRX	3.95	990
1640CRM	6.10	1400

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 Carbac Series are provided.

Metals	µg/g media
Aluminum (Al)	---
Antimony (Sb)	---
Arsenic (As)	---
Barium (Ba)	4.3
Boron (B)	4.0
Calcium (Ca)	380
Copper (Cu)	---
Iron (Fe)	---
Lithium (Li)	---
Magnesium (Mg)	380
Manganese (Mn)	0.4
Molybdenum (Mo)	---
Nickel (Ni)	---
Potassium (K)	---
Sodium (Na)	---
Strontium (Sr)	9.0
Titanium (Ti)	6.0
Tungsten (W)	---
Vanadium (V)	---
Zinc (Zn)	---

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.