

## ANTHRACITE FILTER MEDIA

### ADVANTAGES

- No chemicals to purchase for maintenance.
- Durable material with long life and temperature range.
- Requires lower backwash rate.
- Ideal for DI sub-fill requirements and hot process filtering applications.
- Contains no silica.

### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Weight per cubic foot – 52 pounds

Apparent Specific Gravity – 1.65 + .05

Hardness – 3.0 – 3.8 MOH scale

Attrition Losses – Minimal

Shape Factor –

$$\text{Sphericity} = \frac{\text{surface area of equivalent sphere}}{\text{surface area of irregular vein}}$$

.61 Loosely packed    .60 Tightly packed

Source – PA Eastern Middle Field, Mammoth Vein

Average Ultimate Analysis (moisture & ash free basis)

Hydrogen	2.1%
Carbon	94.7%
Nitrogen	0.8%
Oxygen	1.6%
Sulphur	0.8%
BTU	14,828

Acid Solubility (per AWWA B-100-80) - <1%

Caustic Solubility (1% NaOH @ 190°F)

### SIZES

Grades	Bag Color	Inches	Milimeter
#1	Orange		.6 - .8
#1 ½	Blue		85 -.95
#2	Yellow	3/16 x 3/32	2.0 - 4.0
#3	Tan	5/16 x 3/16	4.0 - 6.3
#4	Green	9/16 x 5/16	6.3 - 11.2
#5	White	13/16 x 9/16	11.2 – 17.5
#6	Brown	1 5/8 x 13/16	17.5 – 34.1



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