PRODUCT SPECIFICATION SHEET

AGC-40 MG

COCONUT SHELL CARBON

MEDICAL GRADE
ACID-WASHED SEMI MOIST
COCONUT SHELL CARBON
COARSE MESH (12X40)

ResinTech AGC-40 MG is a medical grade acid washed semi moist 12 x 40 mesh granular activated carbon. It is Gold Seal Certified by the WQA for use in potable water applications. It is certified to have low leachable concentrations of various contaminants listed by the AAMI. It is dust free and acid washed to reduce initial pH and conductivity. ResinTech AGC-40 MG is intended for medical and pharmaceutical applications.

APPLICATIONS

- Medical
- Pharmaceutical
- Chlorine Removal
- Organics Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Physical Form	Carbonaceous Granules
Particle Size	12 to 40 US Mesh (400 - 1680 µm)
% < 50 mesh (300µm)	< 5%
Temp Limit	212°F (100°C)
Moisture Retention	20% to 30%
Shipping Weight	37 - 39 lbs/ft³ (593 - 625 g/L)
Color	Black
Uniform Particle Size	Yes

PACKAGING OPTIONS

- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

CERTIFICATIONS

WQA Gold Seal

SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	250˚F
Minimum bed depth	
Chlorine removal	24 inches
Chloramine removal	36 inches or greater
Support bed	12 inches graded gravel or coarse sand
Backwash rate	15 to 25 % bed expansion
Service flow rate	
Chlorine removal	1.0 to 2.0 gpm/ cu.ft.
Chloramine removal	0.5 to 1.0 gpm/cu.ft.

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.
For operation outside these guidelines, contact ResinTech Technical Support

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Revision 1.2

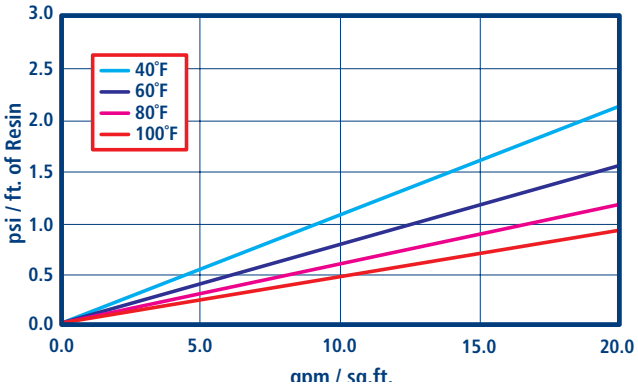
MADE IN AMERICA

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

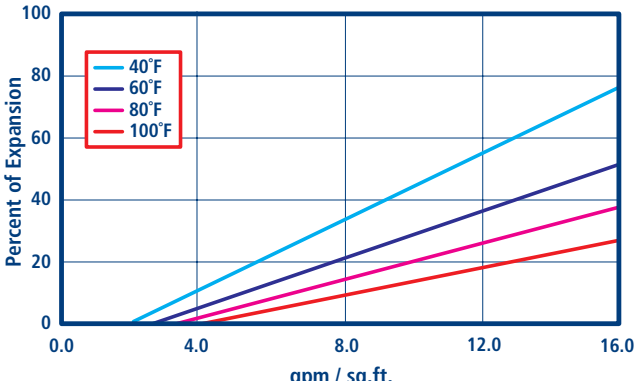
CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 FAX 856.768.9601 EMAIL info@resintech.com WEB resintech.com

PRODUCT SPECIFICATION DATA

Pressure Loss



Backwash Expansion



ORGANICS REMOVAL

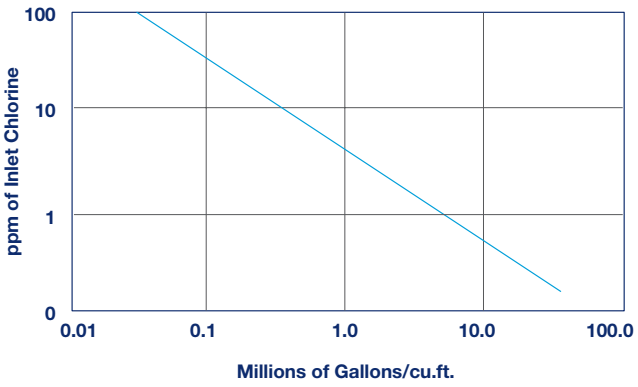
Removal of organics by activated carbon is variable and is site specific. In general, large organic molecules are removed more completely than smaller molecules. The probable mechanism of removal is adsorption into the carbon pores. Organics with fewer than 6 carbon atoms are not well removed. Aromatic organic molecules are generally removed better than aliphatic molecules.

Organic ions are generally not well removed. Polar molecules are not removed as well as non-polar molecules.

CHLORINE REMOVAL

ResinTech AGC-40-MG activated carbon can be expected to remove a minimum of one pound of chlorine per pound of carbon. A 24" deep bed of ResinTech AGC-40-MG will reduce 1 ppm of inlet chlorine to below the limit of detection.

Chlorine Removal



MEDICAL GRADE SPECIFICATIONS

Acid Soluble Ash	Less than 0.1%
Total Ash (typical)	4 to 5%
pH (as shipped)	6.5 to 7.5
Acid Soluble Metallic Impurities as mg/kg of moist carbon	
Aluminum (Al)	1000 mg/Kg
Arsenic (As)	10 mg/Kg
Barium (Ba)	100 mg/Kg
Chromium (Cr)	5 mg/Kg
Silver (Ag)	1 mg/Kg
Lead (Pb)	1 mg/Kg
Mercury (Hg)	0.01 mg/Kg
Zinc (Zn)	5 mg/Kg
Copper (Cu)	50 mg/Kg
Moisture (as shipped)*	Typical 30-40%

*Shipping weight based on backwashed and drained density

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