

# FILTRATION MEDIA



## PROACTIVE™ ACID - WASHED 12 X 40 CARBON

**ProActive™ Acid Washed 12 x 40 Granular Activated Carbon (P/N IT50005)** is made from a superior quality anthracite and non-viscous coal with naturally low ash, sulphur, and phosphorous content. It is manufactured through high temperature steam activation under stringent quality control. It has a large surface area, high pore volume, high mechanical hardness and chemical stability, longer operating life, and it is easy to regenerate. It is used in liquid filtration and water treatment for removal of organic contaminants, odor, taste, color, and turbidity. The product meets the standards of Food and Chemical Codex for activated carbon.

### FEATURES

- High adsorption capacity and efficiency
- Super durability that stands up well to backwash
- Low fines, no floats, rinses fast
- Low pH
- Certified to NSF/ANSI Standard 61

### Specifications

US Standard Mesh Size	12 x 40
Larger than 12	.5% maximum
Smaller than 40	.3% maximum
Backwash Expansion	.35% to 40%
Backwash Rate	10 gpm/sq.ft. @ 55°F
Chlorine Reduction @ 1 ppm Influent	
4 gpm flow rate per cu.ft.	1,000,000 gal
8 gpm flow rate per cu.ft.	260,000 gal
Iodine Number	1000 mg/g minimum
Molasses Number	.210 mg/g minimum
Abrasion Number	.90 ASTM minimum
Methylene Blue	.180 mg/g minimum
Benzene Number	.38 minimum
CTC	.65 minimum
Mean Particle Diameter	.0.9 to 1.1 mm
Ash Content	.7% maximum
pH	.7
Moisture	.3% maximum
Bulk Density	.0.50 g/ml

This information has been gathered from standard materials and or test data that is believed to be accurate and reliable. Nothing herein shall be determined to be a warranty or representation expressed or implied with respect to the use of such information or the use of the goods described for any particular purpose alone or in combination with other goods or processes, or that their use does not conflict with existing patent rights. No license is granted to practice any patented invention. It is solely for your consideration, investigation and verification.

### Typical Properties

Total Surface Area	
(N2 B.E.T. method)	1000 to 1050 m <sup>2</sup> /g
Pore Volume	.0.95 ml/g
Backwash & Drained Density	.0.44 g/ml
Uniform Coefficient	.1.8
Effective Size	.0.60 mm
Acid Soluble Ash	.None
Acid Soluble Iron	.0.5% maximum

### Packaging

Plastic lined, corrugated box. Each box contains 1 cu.ft. (27.5 lbs net weight).

### Warning

For safety and handling purposes, we recommend appropriate protective measures when entering a wet vessel containing granular activated carbon, because wet activated carbon depletes oxygen from air and therefore, dangerously low levels of oxygen may be encountered. In such a case, the oxygen level inside the vessel shall be determined before entering and appropriate protective equipment should be worn when entering, or leave the vessel open until the oxygen level in the vessel is normal.