

# GRANULAR ACTIVATED CARBON FILTER MEDIA

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## PRODUCT

Granular Activated Carbon (GAC) is manufactured using a steam activation process. The products have been designed and developed for high efficiency water purification. Product options include coconut and coal sources and economical remanufactured GAC.

## USES AND ADVANTAGES

- High efficiency filtration and purification
- High efficiency regeneration
- Product readily water wets
- Manufactured under ISO 9002 Quality Assurance system

## TYPICAL PROPERTIES

Grade	GAC-L 4 x 8, 8 x 30, 12 x 40 & 20 x 50
Colour	Black
Bulk Density	Approximately 28 lb/ft <sup>3</sup> (450 kg/m <sup>3</sup> ). Varies w/particle size.
Hardness (Abrasion No.)	95 – 99 (ASTM D3802)
Mesh Size (U.S. Sieve)	5% maximum on upper screen 5% maximum through lower screen
Apparent Density, g/cc	0.44 – 0.50
Apparent Density, lb/ft <sup>3</sup>	27.5 – 30
Moisture	2 – 3% maximum, as packed
pH	7 ± (ASTM D3838)
Ash	6% (ASTM D2866)
Surface Area	900 – 1100 m <sup>2</sup> /g (BET N)
Pore Volume	1.11 ml/g
Iodine Number	>1000 mg/g (ASTM D4607)
Methylene Blue	260 mg/g (CEFIC 2.4)
Phenol	5.7% (DIN 19603)
Dechlorination Half Length	2.9 cm (DIN 19603)
Molasses No.	200 minimum

## CAUTION

Wet activated carbon can react with oxygen to make the atmosphere dangerous for human life. Entry to enclosed spaces containing activated carbon must only be allowed when adequate precautions have been taken to ensure ventilation of the space with fresh air and for the atmosphere to be monitored continuously to ensure adequate oxygen content for respiration. A suitable confined space entry procedure must be used in full accordance with applicable local, state or national regulations.

## PACKAGING

Available in 25 kg (50 lb) (1.75 cu.ft) double walled paper bags and 500 kg (1102 lb) super sacks.

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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