



greencarbon™

FX-GAC
GRANULAR ACTIVATED CARBON

FX
-
GAC

FX greencarbon™ is coconut shell based Activated Carbon, which is predominately micro porous and is well suited for organic adsorption. Coconut shell based activated carbon are least dusty, very low contaminates (ash content < 3%) and has the most hardness compared to other types of activated carbons which makes it the ideal carbon for water purification.

Activated carbon is produced from coconut shells in a two-step process. The first step in activated is to carbonize the shell to drive out two-thirds of the volatiles out of the shell creating carbonaceous mass full of tiny pores. This carbonaceous base material in the second stage is activated at high temperature in steam.

The carbonization proces also known as the charring process (making charcoal) is normally done in a pit emitting uncontrolled CO₂, methane and other wide range of organic vapours, polutting the environment.



FX GREEN TECHNOLOGY

GLOBAL ECOCARB uses a patented technology to char the coconut shells in a reactor capturing the gases and converting to useful energy thus improving our environment.





**FX-GAC
GRANULAR ACTIVATED CARBON**

FX greencarbon™ is available in GAC and PAC. All standard grades are NSF 61 listed.

Standard GAC Grades

ECOC 18X30, ECOC 20X50, ECOC 6X12 and ECOC 8X16

*Mesh size between standard grade are available

Standard PAC Grades

ECOC 100X325, ECOC 40X140, ECOC 40X80 and ECOC 80X20

TYPICAL PROPERTIES

PROPERTY	TEST METHOD (ASTM)	VALUES
Iodine Adsorption	D4607	1000 to 1200 mg/g
CTC Number	D3467	55 to 60
Surfaces Area	BET	1200 to 1400 m ² /g
Hardness	D3802	98
Bulk Density	D2854	480 g/cc
Ash Content	D2866	3% max
Moisture Content	D2867	8% max
Ph	D3838	8.5 to 11

SPECIALTY CARBONS

- Water washed
- Acid washed
- Nano silver impregnated
- Plasma treated carbon
- Surface modified for specific contaminants.

PACKAGE :
One cubic ft bags, 25KG or
500KG jumbo bags



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ECOC 100X325, ECOC 40X140,
ECOC 40X80 and ECOC 80X20
are NSF 61 listed

Coconut Shell based NSF 61 Certified



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