



Solutions for sustaining  
the environment



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Article	LMWF - GAC - Coconut-Gold		
Type	Granular Virgin Coconut Shell Based Activated Carbon		
Description	<p><b>LMWF - GAC - Coconut - Gold</b> is a premium granular activated carbon made especially for use in gold recovery applications. Its particle size and pore structure have been specifically designed to provide the best adsorption of metal and cyanide complexes from Carbon-in-pulp, Carbon-in-column, or tank adsorbed system. This product is manufactured under stringent controls to make a carbon with the ultimate in hardness and ability to be regenerated.</p> <p><b>LMWF - GAC - Coconut - Gold</b> is processed from selected coconut shell and activated at high temperature using steam process to develop internal surface area. The activated product is crushed, washed and classified by size. After activation, the carbon is put through a process to remove platelets. Each batch is tested twice to assure the best in quality control.</p> <p>Standard sizes available are <b>4x8, 4x12, 6x12, 6x16, and 12x30</b>. Our superior hardness grade, Inca Gold, is available at a hardness of 99+%. Carbon tetrachloride adsorption values range from 60% to 65% as specified iodine adsorption values from 900 to 1200+.</p> <p><b>We can custom manufacture activated carbon to your specifications.</b></p>		
Typical parameters	Bulk density	0.50 - 0.54	ASTM-D-2854
	Hardness	98-99+ %	ASTM-D-3862
	Moisture as packed	4% Max.	ASTM-D-2867
	Ash	3%	ASTM-D-2863
	Surface Area	1000-1100	BET N2
	Ignition Temp.	400 C	ASTM-D-3466

Article	LMWF - GAC - Coconut 4 x 8		
Type	Granular Coconut Shell Based Activated Carbon - Vapor Phase		
Description	<p><b>LMWF - GAC - Coconut 4 x 8</b> is a granular activated carbon made especially for use in a vapor applications. Its particle size and pore structure have been specifically designed to provide the best adsorption of impurities from vapor steam with the least flow resistance.</p> <p>This product is manufactured to adsorb odiferous by-products, and VOC's, as well as adsorption of trace contaminates.</p> <p><b>LMWF - GAC - Coconut 4 x 8</b> is processed from coconut shell for its hardness and activated at high temperature using steam process to develop internal surface area. The activated product is crushed and classified by size.</p>		
Typical parameters	CCL4 Adsorption	60% Min.	ASTM-D-3467
	Bulk density	0.47 - 0.49	ASTM-D-2854
	Hardness	98-99+ %	ASTM-D-3862
	Moisture as packed	4% Max.	ASTM-D-2867
	Ash	4% Max.	ASTM-D-2863
	Surface Area	1000-1100	BET N2
	Ignition Temp.	400 C	ASTM-D-3466

Article	LMWF - GAC - 12 x 40 and GAC - 8 x 30		
Type	Granular Virgin Coconut Shell Base Activated Carbon for Liquid		
Description	<p><b>LMWF - GAC - 12 x 40</b> is a granular activated carbon made especially for use in a liquid phase applications. Its particle size and pore structure has been specifically designed to provide the best adsorption of impurities from liquid steam with the least flow resistance and pressure drop in tank or pond applications.</p> <p>This product is well suited for decolorizing and removing odors causing impurities as well as adsorption of trace contaminates.</p> <p><b>LMWF - GAC - 12 x 40</b> is processed from selected seams of bituminous coal with steam at high temperature. Acid washed GAC's are available.</p>		
Typical parameters	Iodine value	900 mg/g Min.	ASTM-D-4607
	Apparent density	0.42 - 0.47	ASTM-D-2854
	Moisture as packed	3%	ASTM-D-2867
	Ash	12%	AASTM-D-2866
	Hardness (Ball pan)	90	
	Surface Area	950-1050	BET N2
	Ignition Temp.	400 C	ASTM-D-3466

Article	Sulphur Impregnated Carbon		
Type	<b>Granular Virgin Coconut Shell Activated Carbon impregnated with sulphur for removal of mercury vapor.</b>		
Description	<b>LMWF-Sulphur Impregnated Pellets:</b> Activated Carbon pellets impregnated with sulphur have been designed to remove mercury vapor steams. Sulphur impregnated carbon beds should not be exposed to liquid hydrocarbon as this can leach the sulphur impregnation from the bed. Organic Mercury can be effectively removed with sulphur impregnated carbons; however this is adsorption rather than chemical reaction, requiring significantly increased contact times.		
Typical parameters	surface area n2 bet	1,000 m2/gm Min.	ASTM-D-2854
	Hardness	97%	ASTM-D-3802
	Sulphur content	12-15 weight %	
	Moisture content	3 weight % Max.	ASTM-D-2867
	Packed bulk density	38 lb/ft3	
	CTC activity, prior to Impregnation	70-75 weight % typical0	ASTM-D-3467
	pH	6-8	ASTM-D-3838
	Mercury capacity to 99% from H2S	65 weight %	
	Adsorbtion contacts; Vapor	<70% RH 10 seconds Min.	
	Effluent Mercury Concentration	<0.2 ppbv	

Article	LMWF-PAC		
Type	<b>Powdered Virgin Activated Carbon composite for use in treatment of industrial sludge &amp; waste water requiring excellent reduction of COD / BOD levels and removal of heavy metal contaminants.</b>		
Description	<b>LMWF-PAC:</b> Activated Carbon has been designed to remove heavy metals contamination and reduce COD / BOD levels. This product is also used for treatment in chemical plants to reduce landfill and disposal cost due to its lightweight and high absorption properties.		
Typical parameters	surface area n2 bet	>30m2/gm	ASTM-D-2854
	Moisture content	3 weight % Max.	ASTM-D-2867
	Packed bulk density	400 kgs/m3	
	pH	7-9	ASTM-D-3838

