Sierra Environmental Technologies, LLc.

GC IPH

Impregnated Activated Carbon

GC IPH is a bituminous coal-based activated carbon that is specially impregnated for the desulphurization of gases and the removal of all acidic contaminants such as hydrogen sulfide, hydrogen chloride, and mercaptans. It is also available in a variety of mesh sizes as well as in a coconut shell base.

Carbon Substrate		
Particle Type:		Pelletized
Particle Size - (Diameter), mm:		4.0
	(Length), mm:	6.0
Mean Particle Diameter, mm:		4.7(min)
CCl_4 Activity, %.:		60(min)
Iodine No., mg/g:		1000(min)
Surface Area, m^2/g:		1000(min)
Hardness, m^2/g:		95(min)
Impregnated Carbon		
Bulk Density, g/cc:		0.55
Moisture, %:		15(max)
Maximum Head Loss @ 50 fpm superficial velocity through a dense packed bed, in wc/ft. bed depth		1.9 (max)
Hydrogen Sulfide breakthrough capacity, g H2S/cc carbon		.14 (min)

Caution!

Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable local, state and federal guidelines.

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