



GC - ICO

Impregnated activated carbon for the treatment of H₂S in low oxygen environments

GC ICO is a copper oxide impregnated catalytic activated carbon manufactured from a specially selected blend of micronized coal and extruded into 4mm diameter pellets to minimize carbon bed pressure drop. This product fully conforms to physical, performance and leachability requirements established by the current ANSI/AWWA B604 standard.

Specially formulated for vapor phase applications to target hydrogen sulfide and low molecular weight organic sulfur compounds from gas streams containing little or no oxygen.

Pellet Diameter, mm:	3.9 – 4.1
Mean Particle Diameter, mm:	4.0
Moisture, % (as packed):	5 (max)
BET Surface Area, m ² /g*:	950 (typical)
Iodine No., mg/g*:	950 (typical)
CTC,%*:	60 (typical)
pH:	9 - 11
Ball Pan Hardness, %:	95 (min)
Apparent Density, lbs./cu.ft.:	30 – 32
g/cc:	0.48 – 0.51
Copper Oxide, by weight	5% (7.5 and 10% available upon request)
H ₂ S Capacity:	50% w/w ¹
Packaging:	55 lb. bags 1,100 lb. Bags (Other packaging by request.)

*Base feedstock before catalytic agent is applied. Measured values will be lower following chemical impregnation.

¹Based on density of 0.48g/cc

Safety Precautions

Wet activated carbon scavenges oxygen. Exercise caution when changing media vessels and working in areas with poor ventilation. Ensure adequate ventilation for personal safety. Activated carbon adsorption is exothermic and releases heat as chemicals are adsorbed. Additional heat is generated if impregnated carbon is used. Proper air flow through the carbon bed can assist in removing any heat generated. Oxygen may aggravate this condition. If the air flow is below 30 fpm or the contaminate concentrations are high, proper safety measures should be taken. If you have questions, contact General Carbon Corp.