



GC IT

impregnated activated carbon

GC IT is a coconut shell based activated carbon specially impregnated with Triethylenediamine (TEDA) for the removal of radioactive gases including methyl iodide. TEDA content can be adjusted to meet various requirements.

Specifications

Carbon Substrate

Mesh Size – 8 x 16 (min)	
Less Than No. 8, %:	5 (max)
Greater Than No. 16, %:	5 (max)
CCl ⁴ Activity, %:	60 (min)
Iodine No., mg/g:	1200 (min)
Hardness No., %:	98 (min)
Ash Content, %:	4 (max)

Impregnated Carbon

TEDA Content, % :	2-5
Typical Density, lbs./cu.ft.:	33 - 38
g/cc:	0.54 - 0.58
Moisture, % (as packed):	15 (max)

*Standard packaging is in 200 lb. fiber drums. Other packaging is available upon request.

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.