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TIGG MRA

Vapor Phase Mercury Removal Activated Carbon

DESCRIPTION

TIGG MRA is a high activity coal based activated carbon which is specially impregnated for removal of mercury. The extensive surface area permits optimum distribution of the impregnated reagent, for maximum reaction rate and full stoichiometric utilization. The finished activated carbon retains sufficient unimpregnated surface area to function as an effective adsorbent in addition to its primary chemisorption role, thus allowing reduction of a wide variety of organic contaminants.

TYPICAL PROPERTIES	TIGG MRA
U.S Sieve, 90 wt% min	4 mm
Apparent Density, (dense packing)	
g/cc	0.50 – 0.57
lbs/ft ³	32 - 36
Moisture – wt% max (as packaged)	3
Mercury capacity, wt%	65
CCl ₄ Number, min (carbon substrate)	60

TYPICAL APPLICATIONS

TIGG MRA activated carbon is recommended for applications where mercury is to be removed from natural gas, air, hydrogen or other gas streams.

Standard packaging of the activated carbon is in 1,100 lb supersacks. Metal drums, fiber drums and 50 lb bags, are available for a premium.

Wet drained activated carbon adsorbs oxygen from the air. Therefore, when workers need to enter a vessel containing wet activated carbon, they should follow confined space/low oxygen level procedures. Activated carbon dust does not present an explosion hazard.